The Preparation and Occupational Pursuits of Teachers 1985-86

Pennsylvania Department of Education 1987

The Preparation and Occupational Pursuits of Teachers 1985~86

Commonwealth of Pennsylvania
Robert P. Casey, Governor

Department of Education
Thomas K. Gilhool, Secretary

Bureau of Information Systems
Bruce J. Cowling, Director

Division of Data Services
Roger G. Hummel, Chief
Compiled by: Devki N. Khanna, Educational Statistics Associate

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Pennsylvania Department of Education
333 Market Street
Harrisburg, PA 17126-0333

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HIGHLIGHTS

The 1985-86 data on the preparation of teachers indicates:

* there was a total of 5,946 new teachers prepared, consisting of 2,446 elementary, 1,530 secondary, 1,146 combined, and 824 special education teachers. This represents a decrease of 0.3 percent when compared to the number of teachers certified last year.

* that secondary education showed an increase of 11.5 percent and elementary an increase of 2.6 percent in the number of new teachers. The number of teachers in the combined category dropped 11.2 percent and those in special education dropped 9.9 percent from last year.

* that of the five largest disciplines--general elementary, mentally/physically handicapped, early childhood, health and physical education, and mathematics--only general elementary and mathematics showed increases in the number of teachers prepared.

* there was a 49.5 percent decrease in the number of new teachers prepared compared to ten years ago.

The November 1, 1986 data on occupational pursuits indicates:

* that 45.3 percent of all new teachers were reported as "teaching," 22.9 percent were reported as "not teaching," and 31.8 percent were reported as "no information" on their occupational pursuits.

* that 32.2 percent of the teachers prepared in 1985-86 were teaching in Pennsylvania.

* that of the five largest disciplines, general elementary placed 46.5 percent, mentally/physically handicapped placed 59.4 percent, early childhood placed 50.4 percent, health and physical education placed 29.9 percent, and mathematics placed 54.7 percent in teaching positions.

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INTRODUCTION

"The Preparation and Occupational Pursuits of Teachers, 1985-86" is one in a series of publications containing statistical summaries related to basic education, higher education, and vocational education in Pennsylvania. The data contained in this publication reflects current year figures as well as trends on a variety of selected topics. In many instances, more detailed data is available.

Requests for more detailed data and questions or comments about the data should be addressed to the Pennsylvania Department of Education, Division of Data Services, 333 Market Street, Harrisburg, PA 17126-0333 (phone 717-787-2644).

Source: Occupations of Persons Completing Preparation for an Instructional I Certificate in Pennsylvania, 1985-86 (PDE-4042)

TABLE 1

TEACHERS PREPARED IN PENNSYLVANIA,
1976-77 THROUGH 1985-86

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
1976-77	11 769	4 019	2 617	3 200	1 933
1977-78	11 443	3 991	2 701	3 016	1 735
1978-79	9 505	3 380	1 904	2 705	1 516
1979-80	8 444	2 996	1 602	2 379	1 467
1980-81	7 396	2 570	1 476	1 977	1 373
1981-82	7 172	2 446	1 385	1 761	1 580
1982-83	6 414	2 322	1 189	1 569	1 334
1983-84	5 987	2 263	1 270	1 360	1 094
1984-85	5 961	2 384	1 372	1 290	915
1985-86	5 946	2 446	1 530	1 146	824

The 5,946 teachers prepared with initial certification was the least number prepared in 29 years. The supply of new teachers reached a peak of 19,453 in 1971-72 and has declined 69.4 percent since then.

The new teachers consisted of 2,446 elementary, 1,530 secondary, 1,146 combined, and 824 special education teachers. This data, when compared to 1984-85, showed there were 2.6 percent more elementary and 11.5 percent more secondary, but 11.2 percent fewer combined and 9.9 percent fewer special education teachers prepared.

FIGURE 1

TEACHERS PREPARED IN PENNSYLVANIA,
1976-77 THROUGH 1985-86

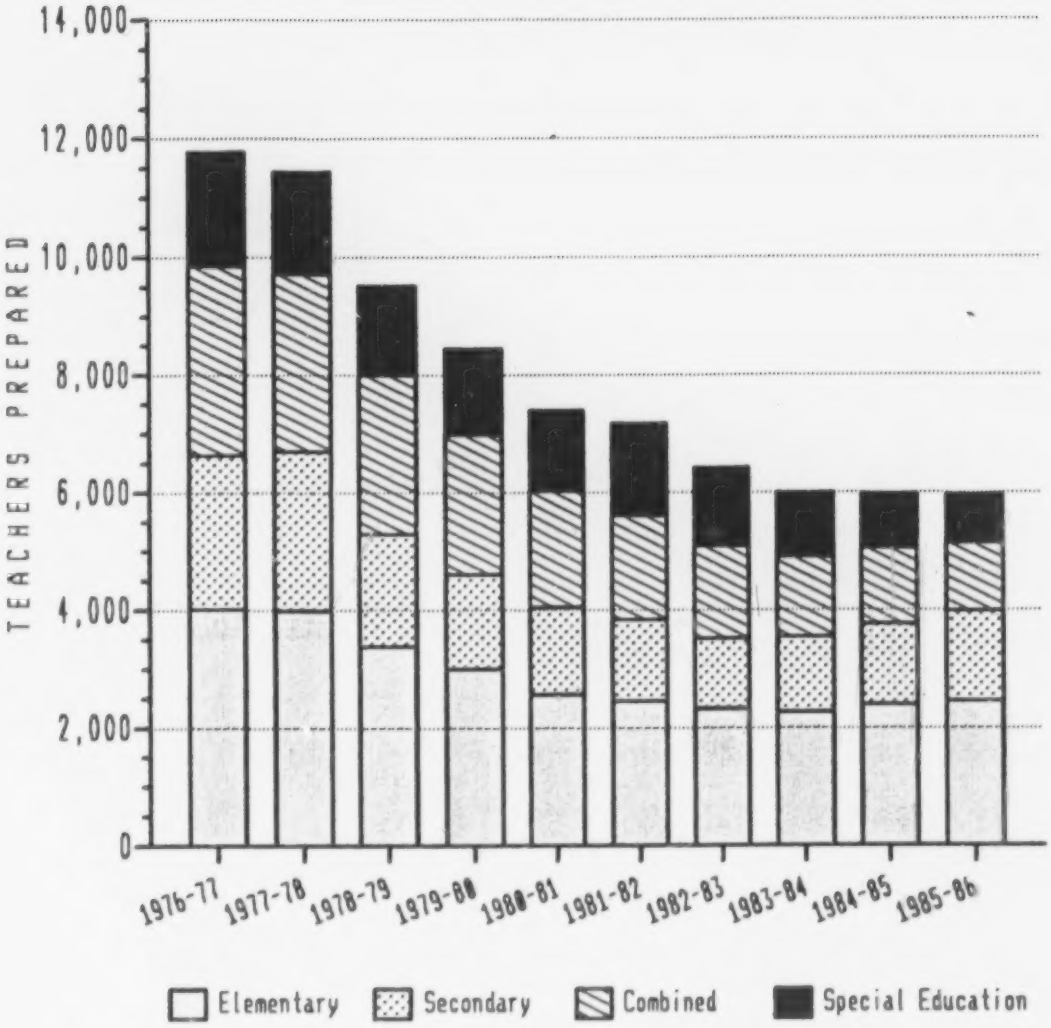

TABLE 2

A COMPARISON OF TEACHERS PREPARED TO THE NUMBER REPORTED FINDING TEACHING POSITIONS, 1976-77 THROUGH 1985-86

	Total Prepared	Total Teaching
1976-77	11 769	4 537
1977-78	11 443	4 483
1978-79	9 505	4 021
1979-80	8 444	3 598
1980-81	7 396	3 003
1981-82	7 172	2 606
1982-83	6 414	2 447
1983-84	5 987	2 395
1984-85	5 961	2 530
1985-86	5 946	2 695

Of the 5,946 teachers prepared in 1985-86, 45.3 percent were teaching as of November 1, 1986. Of those teaching, nearly 71 percent found teaching positions in Pennsylvania.

Placement by type of preparation showed that of all the teachers prepared within a specific category, special education placed the largest percentage of new teachers with 51.8 percent, elementary placed 47.1 percent, secondary placed 43.3 percent, while combined showed a 39.5 percent placement rate.

Within the four categories of teacher preparation, 10.4 percent of the elementary teachers were still seeking teaching positions; secondary, 9.3 percent; combined, 5.6 percent; and special education, 4.7 percent.

FIGURE 2

A COMPARISON OF TEACHERS PREPARED
TO THE NUMBER REPORTED FINDING TEACHING POSITIONS FOR
SELECTED YEARS

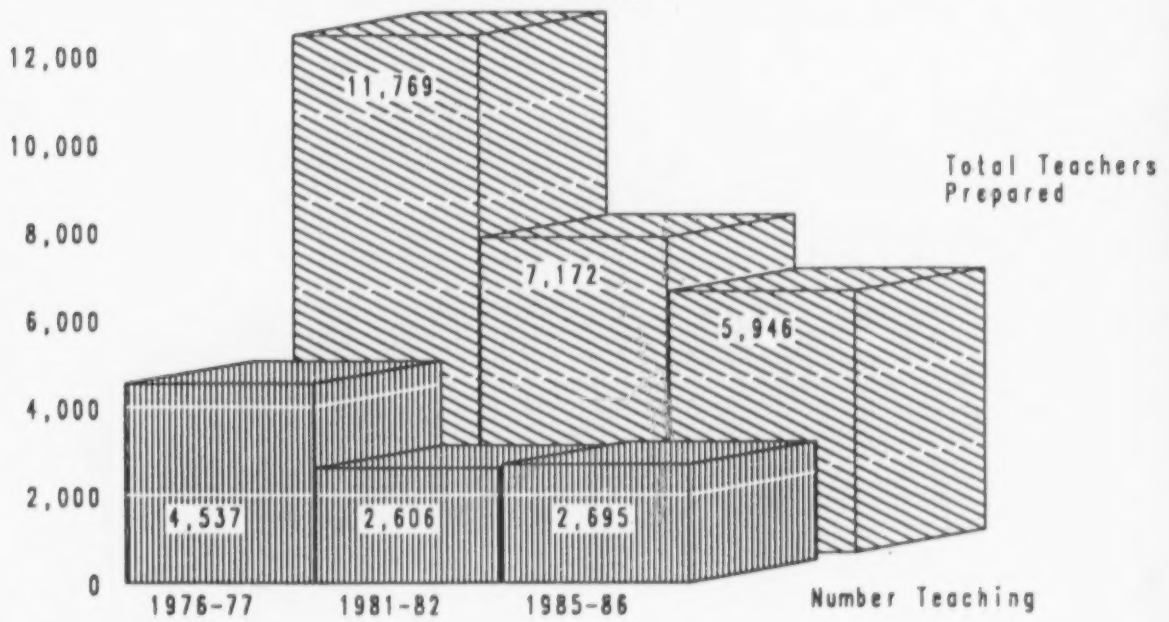

TABLE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY INSTITUTIONAL CATEGORY, 1976-77 THROUGH 1985-86

	Total	State Universities	State-Related Commonwealth Universities	Private State-Aided Institutions	Private Colleges and Universities
1976-77	11 769	6 344	2 263	132	3 030
1977-78	11 443	5 825	2 587	144	2 887
1978-79	9 505	5 151	1 965	101	2 288
1979-80	8 444	4 716	1 682	78	1 968
1980-81	7 396	4 173	1 393	57	1 773
1981-82	7 172	3 659	1 542	60	1 911
1982-83	6 414	3 419	1 224	51	1 720
1983-84	5 987	3 255	1 013	56	1 663
1984-85	5 961	3 178	1 030	65	1 688
1985-86	5 946	3 015	913	86	1 932

In 1985-86, 0.3 percent fewer teachers were prepared than in the previous year. This percentage was the smallest one-year rate of decline since the peak year of 1971-72.

During 1985-86, the state universities and state-related commonwealth universities combined to produce 66.1 percent of the total teachers prepared. These universities prepared a total of 3,928 teachers compared to 4,208 in 1984-85, representing a decrease of 6.7 percent over last year. On the other hand, private state-aided institutions and private colleges and universities combined to share a total of 2,018 teachers in 1985-86 compared to 1,753 in 1984-85, representing an increase of 15.1 percent.

FIGURE 3

TEACHERS PREPARED WITH INITIAL CERTIFICATION
BY INSTITUTIONAL CATEGORY, 1976-77 THROUGH 1985-86

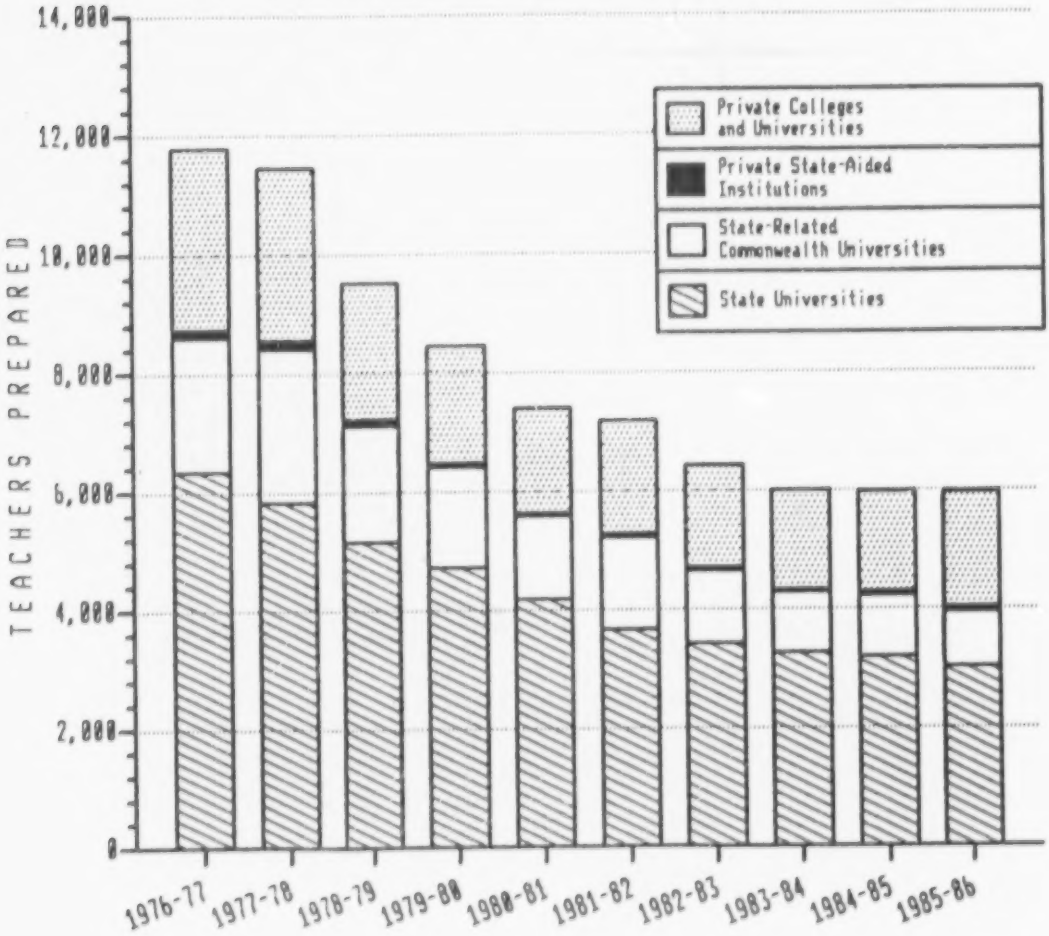

TABLE 4

ELEMENTARY, SECONDARY, COMBINED, AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL CERTIFICATION BY FIELD OF PREPARATION, 1976-77 THROUGH 1985-86

	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
TOTAL	11 769	11 443	9 505	8 444	7 396	7 172	6 414	5 987	5 961	5 946
ELEMENTARY	4 019	3 991	3 380	2 996	2 570	2 446	2 322	2 263	2 384	2 446
Elementary, General	4 019	3 505	2 896	2 371	2 020	1 927	1 823	1 838	1 852	2 021
Early Childhood	-	486	484	625	550	519	499	425	532	425
SECONDARY	2 617	2 701	1 904	1 602	1 476	1 385	1 189	1 270	1 372	1 530
Business Education	238	249	281	189	208	168	167	131	148	154
Communications	-	158	125	105	104	81	86	58	61	65
English	527	488	317	264	242	209	194	223	212	264
Mathematics	348	334	198	178	158	162	146	211	287	338
Physics and Mathematics	-	11	7	7	10	20	2	7	3	11
Sciences, Total	(440)	(410)	(286)	(235)	(248)	(211)	(179)	(255)	(302)	(340)
Biology	254	242	160	127	146	115	111	133	168	187
Chemistry	51	58	33	26	25	34	22	45	49	64
Earth and Space	64	53	29	30	34	32	17	34	28	27
General	50	44	50	40	30	27	26	31	38	29
Physics	21	13	14	12	13	3	3	12	19	33
Social Studies	833	695	569	489	369	370	283	284	262	294
Vocational Education	114	197	111	133	137	164	132	100	93	64
Other Secondary	117	159	10	2	-	-	-	1	4	-
COMBINED	3 200	3 016	2 705	2 379	1 977	1 761	1 569	1 360	1 290	1 146
Agriculture	28	44	22	45	35	45	27	17	17	12
Art	431	453	339	291	237	211	188	165	147	156
Foreign Languages, Total	(359)	(309)	(232)	(184)	(150)	(143)	(101)	(112)	(103)	(104)
French	112	104	69	49	44	44	34	32	34	32
German	62	42	37	26	21	20	11	8	11	18
Italian	-	11	6	5	6	4	2	2	-	-
Latin	12	7	3	7	5	7	4	3	8	9
Russian	7	7	2	3	-	-	1	2	-	-
Spanish	157	133	111	92	71	65	49	64	49	43
Other	9	5	4	2	3	3	-	1	1	2
Health	-	37	38	37	33	15	23	13	20	16
Health and Physical Education	1 177	898	894	841	697	620	597	473	412	354
Home Economics	330	245	192	149	103	95	62	39	40	26
Industrial Arts	240	241	264	236	162	135	161	147	145	109
Library Science	-	148	117	84	91	74	62	56	42	35
Music	635	641	607	512	469	423	348	335	259	272
Reading Specialist	-	-	-	-	-	-	-	3	105	62

TABLE 4

ELEMENTARY, SECONDARY, COMBINED, AND SPECIAL EDUCATION TEACHERS PREPARED WITH INITIAL CERTIFICATION BY FIELD OF PREPARATION, 1976-77 THROUGH 1985-86--Concluded

	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
SPECIAL EDUCATION 1/	1 933	1 735	1 516	1 467	1 373	1 580	1 334	1 094	915	824
Hearing Impaired	-	46	26	34	39	43	33	97	27	29
Mentally/Physically Handicapped	-	1 296	1 106	1 095	1 030	1 205	1 011	830	697	603
Speech Correction	-	346	351	303	269	297	259	148	173	156
Visually Impaired	-	47	33	35	35	35	31	19	18	36

1/ Detail not available before 1977-78.

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1985-86

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
TOTAL, ALL INSTITUTIONS (85)	5 946	2 446	1 530	1 146	824
STATE UNIVERSITIES (14)	3 015	1 206	553	668	588
Bloomsburg University	271	122	68	1	80
California University	196	102	23	46	25
Cheyney University	25	8	1	4	12
Clarion University	163	77	33	20	33
East Stroudsburg University	227	86	39	47	55
Edinboro University	248	88	66	48	46
Indiana University	300	104	67	70	59
Kutztown University	255	114	45	37	59
Lock Haven University	175	57	30	58	30
Mansfield University	113	33	24	28	28
Millersville University	334	145	37	90	62
Shippensburg University	162	82	70	9	1
Slippery Rock University	199	55	31	65	48
West Chester University	347	133	19	145	50
STATE-RELATED COMMONWEALTH UNIVERSITIES (4)	913	356	297	171	89
Lincoln University	13	3	5	5	-
The Pennsylvania State University -- Total	371	146	101	76	48
Main Campus	322	115	83	76	48
Capitol Campus	49	31	18	-	-
Temple University	304	98	97	81	28
University of Pittsburgh -- Total	225	109	94	9	13
Main Campus 1/	169	64	83	9	13
Johnstown Campus	56	45	11	-	-
PRIVATE STATE-AIDED INSTITUTIONS (5)	86	23	28	24	11
Drexel University	13	6	-	7	-
Penna College of Optometry	11	-	-	-	11
Philadelphia College of Art	10	-	-	10	-
Philadelphia College of the Performing Arts	4	-	-	4	-
University of Pennsylvania	48	17	28	3	-
PRIVATE COLLEGES AND UNIVERSITIES (62)	1 932	861	652	283	136
Albright College	16	-	13	3	-
Allegheny College	9	5	4	-	-
Allentown College of St. Francis de Sales	5	-	5	-	-
Alvernia College	9	7	2	-	-
Antioch University 1/	27	19	-	-	8
Beaver College	67	28	20	5	14
Bryn Mawr College	7	-	6	1	-
Bucknell University	38	15	21	2	-
Cabrini College	61	34	5	-	22
Carlow College	21	12	4	4	1
Cedar Crest College	22	15	7	-	-
Chatham College	21	15	4	2	-
Chestnut Hill College	44	37	4	3	-
College Misericordia	15	9	1	-	5
Combs College of Music 1/	-	-	-	2	-
Dickinson College	14	-	11	3	-
Duquesne University	173	60	49	39	25
Eastern College	17	4	3	4	6
Elizabethtown College	46	25	16	5	-
Gannon University	51	8	33	9	1
Geneva College	26	12	11	3	-
Gettysburg College	33	19	7	7	-
Grove City College	70	36	26	8	-
Gwynedd-Mercy College	75	45	19	-	11
Holy Family College	28	20	6	2	-
Immaculata College	48	23	14	11	-

TABLE 5

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION
BY INSTITUTION, 1985-86--Concluded

	Total All Teachers	Elementary Teachers	Secondary Teachers	Combined Teachers	Special Education Teachers
PRIVATE COLLEGES AND UNIVERSITIES--Concluded					
Juniata College	23	13	9	1	-
Kings College	18	8	9	1	-
Lafayette College	8	1	7	-	-
LaSalle College	30	-	12	4	14
Lebanon Valley College	37	14	6	17	-
Lehigh University	43	12	14	13	4
Lycoming College	18	6	11	1	-
Marywood college	73	33	7	12	21
Mercyhurst College	31	22	3	2	4
Messiah College	72	33	14	25	-
Moore College of Art	2	-	-	2	-
Moravian College	35	22	6	7	-
Muhlenberg College	6	4	2	-	-
Neumann College	3	3	-	-	-
Phila College of Bible	10	10	-	-	-
Point Park College	28	17	9	2	-
Robert Morris College	18	-	18	-	-
Rosemont College	18	15	-	3	-
Saint Francis College	31	18	12	1	-
Saint Joseph's University	49	25	19	5	-
Saint Vincent College	17	-	17	-	-
Seton Hill College	32	26	6	-	-
Susquehanna University	30	-	20	10	-
Swarthmore College	9	-	8	1	-
Thiel College	11	5	5	1	-
University of Scranton	25	-	25	-	-
Ursinus College	24	-	13	11	-
Villa Maria College	14	8	2	4	-
Villanova University	8	-	6	2	-
Washington and Jefferson College	22	-	9	13	-
Waynesburg College	11	7	4	-	-
Westminster College	67	27	19	21	-
Widener University	51	22	26	3	-
Wilkes College	30	10	12	8	-
Wilson College	3	2	1	-	-
York College of Pennsylvania	80	50	30	-	-

1/ Estimated data

TABLE 6

TEACHERS PREPARED WITH INITIAL CERTIFICATION BY TYPE OF PREPARATION AND OCCUPATIONAL PURSUIT, 1976-77 THROUGH 1985-86

	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
TOTAL	11 769	11 443	9 505	8 444	7 396	7 172	6 414	5 987	5 961	5 946
Teaching	4 537	4 483	4 021	3 598	3 003	2 606	2 447	2 395	2 530	2 695
In-State	3 352	3 319	2 951	2 595	2 160	1 904	1 744	1 670	1 788	1 912
Out-of-State	1 185	1 164	1 070	1 003	843	702	703	725	742	783
Not Teaching	4 412	3 254	2 658	2 255	2 073	1 929	1 774	1 583	1 286	1 360
Otherwise Gainfully Employed	1 641	1 365	1 079	898	870	637	691	559	468	447
Continuing Formal Study	638	497	476	484	395	441	390	305	283	290
Seeking Teaching Position	1 881	1 167	892	704	614	674	585	590	453	500
Seeking Non-Teaching Position	79	80	67	59	39	31	24	30	20	31
Other	173	145	144	110	155	146	84	99	62	92
No Information	2 820	3 706	2 826	2 591	2 320	2 637	2 193	2 009	2 145	1 891
ELEMENTARY	4 019	3 991	3 380	2 996	2 570	2 446	2 322	2 263	2 384	2 446
Teaching	1 536	1 638	1 490	1 409	1 074	977	1 015	950	1 012	1 154
In-State	1 159	1 226	1 124	1 043	788	759	750	686	737	777
Out-of-State	377	412	366	366	286	218	265	264	275	377
Not Teaching	1 561	1 169	968	805	737	721	646	594	500	523
Otherwise Gainfully Employed	509	431	355	291	246	200	236	227	168	162
Continuing Formal Study	166	153	107	131	112	109	92	72	75	65
Seeking Teaching Position	785	506	421	323	295	344	275	241	229	255
Seeking Non-Teaching Position	25	25	25	20	12	14	9	9	9	7
Other	76	54	60	40	72	54	34	45	19	34
No Information	922	1 184	922	782	759	748	661	719	872	769
SECONDARY	5 817	2 701	1 904	1 602	1 476	1 385	1 189	1 270	1 372	1 530
Teaching	2 031	1 018	806	614	533	473	433	501	591	662
In-State	1 533	794	625	476	440	378	332	373	441	526
Out-of-State	498	224	181	138	93	95	101	128	150	136
Not Teaching	2 397	724	541	463	403	350	298	311	295	354
Otherwise Gainfully Employed	989	345	243	189	209	140	125	108	130	120
Continuing Formal Study	384	124	103	97	69	78	65	58	48	52
Seeking Teaching Position	897	198	144	133	88	107	84	120	96	142
Seeking Non-Teaching Position	50	24	18	12	11	6	3	11	4	15
Other	77	33	33	32	26	19	21	14	17	25
No Information	1 389	959	557	525	540	562	458	458	486	514
COMBINED 1/	-	3 016	2 705	2 379	1 977	1 761	1 569	1 360	1 290	1 146
Teaching	-	1 047	900	812	662	533	451	439	465	452
In-State	-	761	645	581	464	365	314	287	297	331
Out-of-State	-	286	255	231	198	168	137	152	168	121
Not Teaching	-	1 054	851	716	642	517	493	438	304	282
Otherwise Gainfully Employed	-	474	397	322	310	208	224	165	126	110
Continuing Formal Study	-	148	155	159	123	112	98	79	68	74
Seeking Teaching Position	-	369	240	186	167	138	150	155	89	64
Seeking Non-Teaching Position	-	24	23	25	13	10	7	9	6	8
Other	-	39	36	24	29	49	14	30	15	26
No Information	-	915	954	851	673	711	625	483	521	412
SPECIAL EDUCATION	1 933	1 735	1 516	1 467	1 373	1 580	1 334	1 094	915	824
Teaching	970	780	825	763	734	623	548	505	462	427
In-State	660	538	557	495	468	402	348	324	313	278
Out-of-State	310	242	268	268	266	221	200	181	149	149
Not Teaching	454	307	298	271	291	341	337	240	187	201
Otherwise Gainfully Employed	143	115	84	96	105	89	106	59	44	55
Continuing Formal Study	88	72	111	97	91	142	135	96	92	99
Seeking Teaching Position	199	94	87	62	64	85	76	74	39	39
Seeking Non-Teaching Position	4	7	1	2	3	1	5	1	1	1
Other	20	19	15	14	28	24	15	10	11	7
No Information	509	648	393	433	348	616	449	349	266	196

1/ Detail not available before 1977-78. Combined teachers were included with secondary teachers prior to 1977-78.

TABLE 7

OCCUPATIONS, ON NOVEMBER 1, 1986, OF TEACHERS INITIALLY PREPARED BY FIELD OF PREPARATION, 1985-86

	TEACHING			NOT TEACHING						
	All	In-State	Out-of-State	All	Otherwise Gainfully Employed	Continuing Formal Study	Seeking Teaching Position	Seeking Non-Teaching Position	Other	No Information
TOTAL	2 695	1 912	783	1 360	447	290	500	31	92	1 891
ELEMENTARY--Total	1 154	777	377	523	162	65	255	7	34	769
Elementary, General	940	617	323	442	140	59	209	4	30	639
Early Childhood	214	160	54	81	22	6	46	3	4	130
SECONDARY--Total	662	526	136	354	120	52	142	15	25	514
Accounting	23	19	4	18	8	2	5	-	3	15
Biology	80	66	14	50	16	8	22	-	4	57
Chemistry	34	28	6	13	4	2	[illegible]	1	-	17
Communications	15	14	1	17	7	5	[illegible]	-	-	33
Data Processing	6	6	-	6	3	1	-	-	2	5
Distributive Education	2	2	-	5	-	1	2	-	2	8
Earth and Space Science	11	8	3	5	1	-	3	-	1	11
English	119	86	33	68	23	12	29	1	3	77
General Science	13	9	4	8	3	1	3	1	-	8
Marketing	1	-	1	4	4	-	-	-	-	15
Mathematics	185	148	37	56	16	9	25	4	2	97
Physics	13	13	-	3	-	1	-	-	2	17
Physics and Mathematics	8	6	2	2	-	1	1	-	-	1
Secretarial	19	17	2	10	6	-	3	-	1	9
Social Studies	110	84	26	79	24	9	35	6	5	105
Typewriting	7	6	1	-	-	-	-	-	-	1
Vocational Education	16	14	2	10	5	-	3	[illegible]	-	38
COMBINED--Total	452	331	121	282	110	74	64	8	26	412
Agriculture	4	4	-	2	2	-	-	-	-	6
Art	63	53	10	37	17	5	8	2	5	56
Foreign Languages	53	43	10	28	8	10	8	-	2	23
Health	5	3	2	7	3	2	1	1	-	4
Health and Physical Education	106	64	42	96	37	30	21	2	6	152
Home Economics	13	9	4	9	5	1	1	-	2	4
Industrial Arts	39	24	15	25	18	3	1	1	2	45
Library Science	18	13	5	4	3	1	-	-	-	13
Music	110	80	30	69	17	22	19	2	9	93
Reading Specialist	41	38	3	5	-	-	5	-	-	16
SPECIAL EDUCATION--Total	427	278	149	201	55	99	39	1	7	196
Hearing Impaired	13	6	7	4	3	-	1	-	-	12
Mentally/Physically Handicapped	358	248	110	106	36	32	31	1	6	139
Speech Correction	40	17	23	76	14	59	2	-	1	40
Visually Impaired	16	7	9	15	2	8	5	-	-	5

Note: Graduates in business education are certified by individual subject area (accounting, data processing, distributive education, marketing, secretarial, and typewriting) with most or all people receiving multiple certificates. For this reason, these graduates have, in many cases, been arbitrarily placed in a particular subject area by the reporting institutions.

GLOSSARY

COMBINED--Includes persons prepared for assignment at any grade level (K-12). Does not include those prepared for teaching in special education classes or those prepared for elementary (K-6) or secondary (7-12) certificates.

ELEMENTARY--Includes persons prepared for the regular elementary certificate (K-6) or the early childhood certificate (N-3). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

INSTRUCTIONAL I--The initial teaching certificate awarded to those who are qualified to enter the teaching profession. The certificate expires after the completion of six years of teaching experience.

SECONDARY--Includes persons prepared for assignments in junior and/or senior high school (7-12). Does not include those prepared for teaching in special education classes or those prepared for combined (K-12) certificates.

SPECIAL EDUCATION--Includes persons prepared with the minimum certification requirements (or professional requirements) for entering assignments to teach the mentally deficient, deaf or hard of hearing, visually handicapped, speech handicapped, orthopedically handicapped, gifted and talented, emotionally disturbed, educationally disadvantaged, severely underachieving, and other pupils with characteristics which require special training competencies.

VOCATIONAL EDUCATION--Includes persons who are certified to teach in areas of trade and industrial (occupational) education. Does not include industrial arts teachers (certificate code 6000).

Degrees and Other Formal Awards Conferred 1985-86

Pennsylvania Department of Education 1987

Degrees and Other Formal Awards Conferred 1985~86

Commonwealth of Pennsylvania
Robert P. Casey, Governor

Department of Education
Thomas K. Gilhool, Secretary

Bureau of Information Systems
Bruce J. Cowling, Director

Division of Data Services
Roger G. Hummel, Chief
Compiled by: Donald D. Deitz, Educational Statistics Associate

July, 1987

Pennsylvania Department of Education
333 Market Street
Harrisburg, PA 17126-0333

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HIGHLIGHTS

The 1985-86 data on degrees and other formal awards conferred indicate that:

* 97,299 associate and higher degrees were granted. By level of award, there were 21,557 associate, 56,781 bachelor's, 3,790 first-professional, 13,364 master's, and 1,807 doctor's degrees.

* 50.2 percent of all reported degrees were granted to women.

* 24.4 percent of all bachelor's degrees were conferred in business and management which is up from 17.1 percent in 1976-77.

* the number of associate degrees increased by 5,471 (up 34.0 percent) since 1976-77.

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INTRODUCTION

"Degrees and Other Formal Awards Conferred, 1985-86" is one in a series of publications containing statistical summaries related to basic education, higher education, and vocational education in Pennsylvania. The data contained in this publication reflects current year figures as well as trends on a variety of selected topics. In many instances, more detailed data is available.

Requests for more detailed data and questions or comments about the data should be addressed to the Pennsylvania Department of Education, Division of Data Services, 333 Market Street, Harrisburg, PA 17126-0333 (telephone 717-787-2644).

Sources: Degrees and Other Formal Awards Conferred Between July 1, 1985 and June 30, 1986 (ED G50-14P-C)

ASB and AST Degrees Conferred, 1985-86 (PDE-4039)

TABLE 1

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM, 1976-77 THROUGH 1985-86

	Total Degrees	Associate Degrees	Bachelor's Degrees	First-Professional Degrees	Master's Degrees	Doctor's Degrees
1976-77	89 265	16 086	53 835	3 524	14 189	1 631
1977-78	90 613	17 690	53 697	3 640	13 935	1 651
1978-79	90 868	17 317	54 338	3 779	13 775	1 659
1979-80	90 905	17 107	55 121	3 762	13 246	1 669
1980-81	91 352	17 949	54 589	3 791	13 356	1 667
1981-82	93 955	19 250	55 600	3 674	13 619	1 812
1982-83	96 976	20 831	57 231	3 740	13 411	1 763
1983-84	96 801	21 417	56 541	3 812	13 173	1 858
1984-85	97 744	21 784	57 014	3 717	13 378	1 851
1985-86 1/	97 299	21 557	56 781	3 790	13 364	1 807

1/ Includes estimates for nonresponding institutions.

After an increase in degrees conferred in 1984-85, the number conferred in 1985-86 showed a slight decrease; however, the 1985-86 total exceeds each year from 1976-77 to 1983-84. Overall, there has been an 9.0 percent increase in total degrees conferred since 1976-77. The greatest percentage of the total can be found at the associate and bachelor's levels. The growth at these levels since 1976-77 has been 5,471 associate degrees (an increase of 34.0 percent) and 2,946 bachelor's degrees (an increase of 5.5 percent). Over the 1976-77 to 1985-86 period, only master's degrees showed a decrease (down 5.8 percent).

FIGURE 1
DEGREES CONFERRED BY LEVEL OF PROGRAM, 1976-77

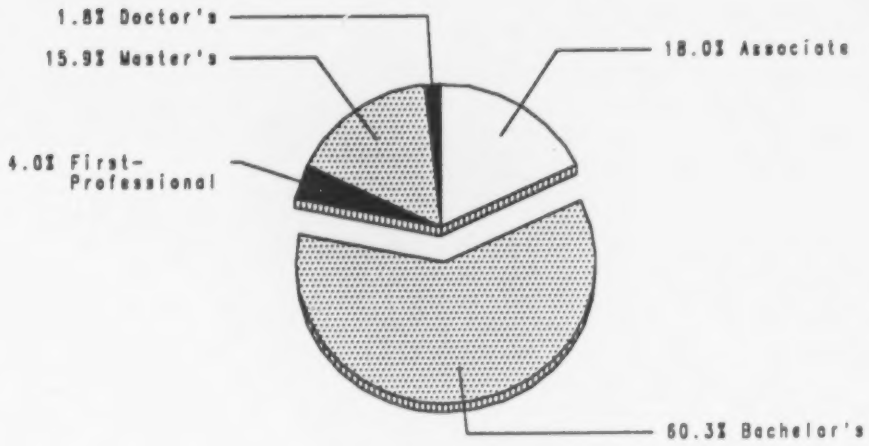

FIGURE 2
DEGREES CONFERRED BY LEVEL OF PROGRAM, 1985-86

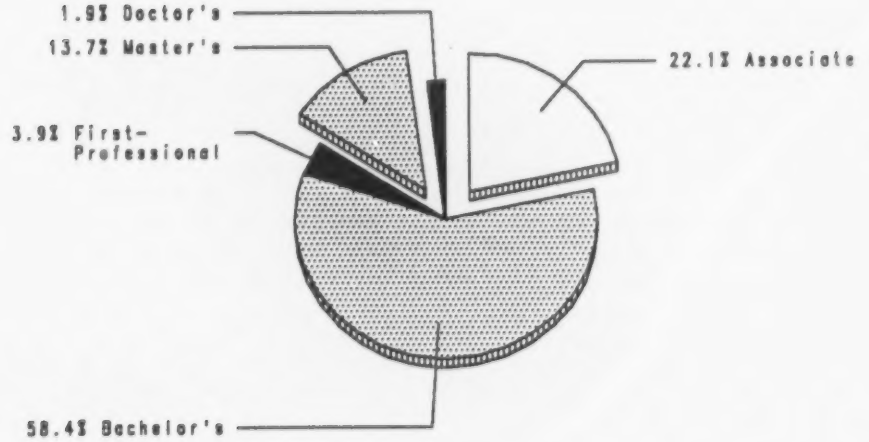

TABLE 2

BACHELOR'S DEGREES CONFERRED IN SELECTED MAJOR FIELDS OF STUDY, 1976-77 THROUGH 1985-86

	Business and Management	Computer and Information Sciences	Education	Engineering	Health Professions	Social Sciences
1976-77	9 222	307	9 431	3 001	3 176	7 125
1977-78	9 735	371	8 548	3 415	3 196	6 759
1978-79	10 753	513	7 732	4 063	3 476	6 508
1979-80	11 466	698	6 927	4 376	3 602	6 312
1980-81	11 779	1 007	5 989	4 748	3 822	5 905
1981-82	12 678	1 489	5 543	4 986	3 923	6 007
1982-83	13 843	1 865	5 302	5 633 1/	4 204 2/	5 522
1983-84	13 567	2 495	4 816	5 679 1/	4 298 2/	5 158
1984-85	13 697	2 963	4 657	5 861 1/	4 440 2/	5 047
1985-86	13 846	2 941	4 649	5 691 1/	4 597 2/	5 034

1/ Includes the major fields of "engineering" and "engineering and engineering-related technologies."
2/ Includes the major fields of "allied health" and "health sciences."

The field of study structure was completely revised and became effective with the 1982-83 data. Therefore, exact comparisons with data prior to 1982-83 are not possible but certain major fields match closely.

The number of bachelor's degrees in certain major areas has changed substantially since 1976-77. In 1976-77, 17.1 percent of all bachelor's degrees were awarded in business and management. By 1985-86 that percentage had risen to 24.4. Similar comparisons show increases for computer and information sciences from 0.6 percent to 5.2 percent; for engineering from 5.6 percent to 10.0 percent; and for health professions from 5.9 percent to 8.1 percent.

Conversely, bachelor's degrees in education and the social sciences have fallen. Whereas education comprised 17.5 percent of all bachelor's degrees in 1976-77, it now accounts for only 8.2 percent. Likewise, social sciences fell from 13.2 percent to 8.9 percent of all bachelor's degrees.

FIGURE 3
BACHELOR'S DEGREES CONFERRED IN SELECTED
MAJOR FIELDS OF STUDY, 1976-77 THROUGH 1985-86

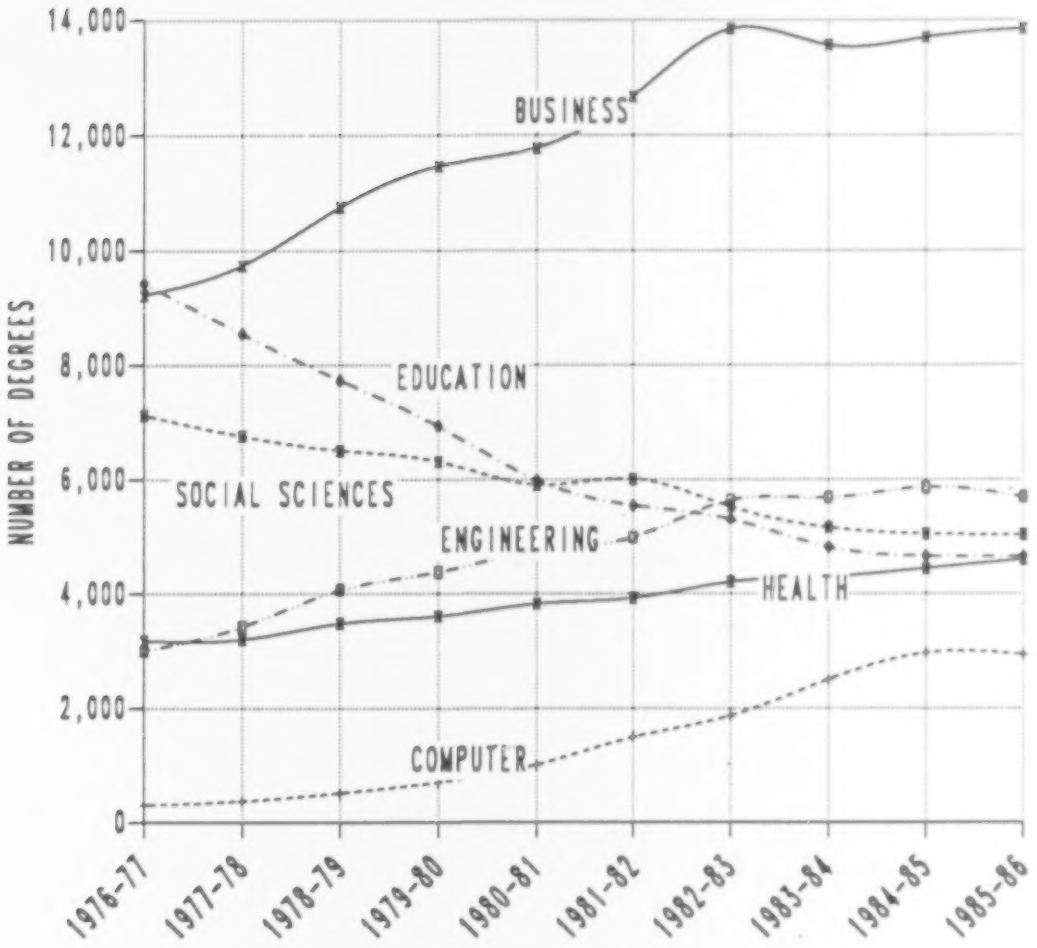

TABLE 3

ASSOCIATE AND HIGHER DEGREES CONFERRED BY INSTITUTIONAL CATEGORY AND LEVEL OF PROGRAM, 1976-77 THROUGH 1985-86

	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
TOTAL, ALL INSTITUTIONS	89 268	90 613	90 868	90 905	91 382	93 958	96 976	96 801	97 764	97 299[1]
Associate Degrees	16 084	17 690	17 517	17 187	17 949	19 258	20 851	21 417	21 784	21 557[1]
Bachelor's Degrees	53 615	53 697	54 332	55 121	54 589	55 600	57 231	56 541	57 014	56 781[1]
First-Professional Degrees	3 524	3 660	3 779	3 762	3 791	3 674	3 740	3 812	3 717	3 790
Master's Degrees	14 189	13 935	13 775	13 246	13 384	13 619	13 411	13 173	13 378	13 364[1]
Doctor's Degrees	1 631	1 651	1 659	1 669	1 667	1 812	1 743	1 858	1 851	1 807[1]
STATE UNIVERSITIES	14 285	15 549	15 342	15 158	14 502	14 496	14 370	14 585	14 292	14 831
Associate Degrees	105	113	131	120	136	164	241	310	268	272
Bachelor's Degrees	13 016	12 705	12 572	12 451	12 020	12 017	12 088	12 340	12 147	12 550
First-Professional Degrees	-	-	-	-	-	-	-	-	-	-
Master's Degrees	3 162	2 730	2 634	2 369	2 325	2 296	2 026	1 919	1 864	1 967
Doctor's Degrees	2	1	5	18	21	17	17	16	13	12
STATE-RELATED COMMONWEALTH UNIVERSITIES	23 926	24 410	24 446	23 812	23 662	24 224	25 272	23 311	23 291	23 223
Associate Degrees	1 701	1 804	1 800	1 674	1 844	2 132	2 335	2 132	1 743	1 585
Bachelor's Degrees	15 270	15 394	15 443	15 290	14 758	15 017	15 911	14 561	14 981	15 155
First-Professional Degrees	1 148	1 196	1 240	1 183	1 214	1 187	1 235	1 176	1 204	1 204
Master's Degrees	4 815	4 997	4 962	4 646	4 855	4 851	4 764	4 439	4 321	4 248
Doctor's Degrees	992	1 019	980	1 019	991	1 047	1 047	1 003	1 042	1 031
COMMUNITY COLLEGES	8 189	8 568	7 962	7 905	7 891	8 163	8 463	8 867	9 194	8 879
Associate Degrees	8 189	8 568	7 962	7 905	7 891	8 163	8 463	8 867	9 194	8 879
Bachelor's Degrees	-	-	-	-	-	-	-	-	-	-
First-Professional Degrees	-	-	-	-	-	-	-	-	-	-
Master's Degrees	-	-	-	-	-	-	-	-	-	-
Doctor's Degrees	-	-	-	-	-	-	-	-	-	-
PRIVATE STATE-AIDED INSTITUTIONS	8 552	8 965	8 957	9 229	9 424	9 812	10 024	10 347	10 153	10 172
Associate Degrees	279	339	293	262	278	277	241	267	269	240
Bachelor's Degrees	4 166	4 343	4 436	4 677	4 830	5 060	5 277	5 357	5 274	5 246
First-Professional Degrees	1 510	1 534	1 577	1 602	1 612	1 573	1 595	1 641	1 558	1 593
Master's Degrees	2 216	2 365	2 257	2 310	2 315	2 430	2 506	2 593	2 614	2 689
Doctor's Degrees	381	384	394	378	389	472	413	489	438	404
PRIVATE COLLEGES AND UNIVERSITIES	27 209	27 039	27 727	28 219	28 659	29 526	30 175	30 785	31 400	30 378[1]
Associate Degrees	1 204	1 307	1 275	1 137	1 157	1 308	1 425	1 491	1 469	1 365
Bachelor's Degrees	21 368	21 225	21 842	22 491	22 963	23 490	23 939	24 268	24 590	23 811[1]
First-Professional Degrees	544	575	598	619	647	629	620	692	642	667
Master's Degrees	3 681	3 726	3 788	3 764	3 670	3 890	3 972	4 082	4 434	4 275[1]
Doctor's Degrees	212	206	224	208	222	209	219	252	265	260[1]
THEOLOGICAL SEMINARIES	496	523	579	573	571	530	546	556	573	600
Associate Degrees	-	-	-	-	-	-	-	-	-	-
Bachelor's Degrees	15	30	25	12	18	16	16	15	22	19
First-Professional Degrees	322	335	364	356	318	315	300	303	313	326
Master's Degrees	115	117	134	157	191	182	163	140	145	155
Doctor's Degrees	44	41	56	46	44	47	67	98	93	100

TABLE 3

ASSOCIATE AND HIGHER DEGREES CONFERRED BY INSTITUTIONAL CATEGORY AND LEVEL OF PROGRAM, 1976-77 THROUGH 1985-86--Concluded

	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86
PRIVATE JUNIOR COLLEGES	1 438	1 486	1 614	1 573	1 571	1 482	1 617	1 575	1 534	1 538
Associate Degrees	1 438	1 486	1 614	1 573	1 571	1 482	1 617	1 575	1 534	1 538
Bachelor's Degrees	-	-	-	-	-	-	-	-	-	-
First-Professional Degrees	-	-	-	-	-	-	-	-	-	-
Master's Degrees	-	-	-	-	-	-	-	-	-	-
Doctor's Degrees	-	-	-	-	-	-	-	-	-	-
SPECIALIZED ASSOCIATE DEGREE-GRANTING INSTITUTIONS 2/	3 139	3 839	4 209	4 374	4 994	5 656	6 424	6 671	7 207	7 571 1/
Associate Degrees	3 139	3 839	4 209	4 374	4 994	5 656	6 424	6 671	7 207	7 571 1/
Bachelor's Degrees	-	-	-	-	-	-	-	-	-	-
First-Professional Degrees	-	-	-	-	-	-	-	-	-	-
Master's Degrees	-	-	-	-	-	-	-	-	-	-
Doctor's Degrees	-	-	-	-	-	-	-	-	-	-
STATE SCHOOL OF TECHNOLOGY 2/	31	34	33	62	78	68	85	104	100	107
Associate Degrees	31	34	33	62	78	68	85	104	100	107
Bachelor's Degrees	-	-	-	-	-	-	-	-	-	-
First-Professional Degrees	-	-	-	-	-	-	-	-	-	-
Master's Degrees	-	-	-	-	-	-	-	-	-	-
Doctor's Degrees	-	-	-	-	-	-	-	-	-	-

1/ Includes estimates for nonresponding institutions.
2/ Includes degrees conferred in associate in specialized business (ASB) and associate in specialized technology (AST) programs only.

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1985-86

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
TOTAL DEGREES, ALL FIELDS 1/	9 580	11 367	27 981	28 795	2 505	1 285	6 928	6 426	1 157	640
AGRIBUSINESS AND AGRICULTURAL PRODUCTION--Total	48	43	64	18	-	-	6	3	3	-
Agricultural business	11	1	40	15	-	-	-	-	-	-
Agricultural economics	-	-	8	2	-	-	6	3	3	-
Agricultural mechanics, general	-	-	16	-	-	-	-	-	-	-
Animal training	-	-	-	1	-	-	-	-	-	
Horticulture, general	8	23	-	-	-	-	-	-	-	-
Ornamental horticulture	2	7	-	-	-	-	-	-	-	-
Landscaping	9	6	-	-	-	-	-	-	-	-
Nursery operation and management	9	3	-	-	-	-	-	-	-	-
Agribusiness and agricultural production, other	9	3	-	-	-	-	-	-	-	-
AGRICULTURAL SCIENCES--Total	1	12	214	149	-	-	20	15	8	1
Agricultural sciences, general	-	-	24	7	-	-	-	-	-	-
Animal sciences, general	1	2	39	48	-	-	4	2	-	-
Animal nutrition	-	-	-	-	-	-	2	2	1	-
Dairy	-	-	16	8	-	-	1	1	1	-
Poultry	-	-	4	-	-	-	1	-	-	-
Equestrian studies	-	10	-	-	-	-	-	-	-	-
Animal sciences, other	-	-	9	30	-	-	-	-	-	-
Food sciences	-	-	21	14	-	-	4	2	-	-
Plant sciences, general	-	-	5	3	-	-	-	-	-	-
Agronomy	-	-	29	5	-	-	5	4	5	-
Horticulture science	-	-	34	19	-	-	3	4	1	1
Ornamental horticulture	-	-	31	15	-	-	-	-	-	-
RENEWABLE NATURAL RESOURCES--Total	60	14	101	23	-	-	8	2	2	-
Renewable natural resources, general	-	-	31	10	-	-	6	2	2	-
Resources protection and regulation	-	-	8	7	-	-	-	-	-	-
Fishing and fisheries	10	1	-	-	-	-	-	-	-	-
Forestry production and processing, general	11	-	-	-	-	-	-	-	-	-
Forest products processing technology	18	3	7	-	-	-	-	-	-	-
Forestry science	-	-	33	-	-	-	-	-	-	-
Forestry and related sciences, other	-	-	1	1	-	-	-	-	-	-
Wildlife management	21	10	21	5	-	-	2	-	-	-
ARCHITECTURE AND ENVIRONMENTAL DESIGN--Total	28	84	138	142	-	-	122	59	9	3
Architecture and environmental design, general	-	-	15	3	-	-	-	-	-	-
Architecture	2	1	74	32	-	-	82	31	3	1
City, community, and regional planning	-	-	8	4	-	-	25	13	6	2
Environmental design	-	-	8	11	-	-	-	-	-	-
Interior design	26	83	7	70	-	-	-	-	-	-
Landscape architecture	-	-	26	22	-	-	11	14	-	-
Urban design	-	-	-	-	-	-	4	1	-	-
AREA AND ETHNIC STUDIES--Total	-	-	53	90	-	-	10	18	8	5
American studies	-	-	25	42	-	-	3	12	2	1
East asian studies	-	-	7	11	-	-	6	1	4	4
Latin american studies	-	-	2	3	-	-	-	-	-	-
Middle eastern studies	-	-	1	-	-	-	-	-	-	-
Russian and slavic studies	-	-	4	6	-	-	-	-	-	-
South asian studies	-	-	-	2	-	-	-	2	-	-
Japanese studies	-	-	-	3	-	-	-	-	-	-
International studies	-	-	7	9	-	-	-	-	-	-
Area studies, other	-	-	-	6	-	-	-	-	-	-
Hispanic-American studies	-	-	-	-	-	-	-	3	-	-
Jewish studies	-	-	-	2	-	-	-	-	1	-
Area and ethnic studies, other	-	-	7	6	-	-	1	-	1	-
BUSINESS AND MANAGEMENT--Total	1 304	1 757	7 967	5 879	-	-	2 584	1 045	55	7
Business and management, general	241	345	840	517	-	-	161	67	-	-
Accounting	54	123	1 919	1 609	-	-	53	20	2	-
Pre-accounting	1	4	-	-	-	-	-	-	-	-
Banking and finance	6	8	1 009	475	-	-	588	221	17	3
Business administration and management, general	802	1 037	1 954	1 451	-	-	1 198	538	21	1
Contract management and procurement/purchasing	-	-	21	57	-	-	-	-	-	-
Product management	4	-	17	8	-	-	8	3	-	-
Systems efficiency analysis	-	-	-	-	-	-	2	-	-	-
Management science (technical)	-	-	10	3	-	-	-	-	-	-
Business administration and management, other	12	14	26	11	-	-	142	9	-	-
Business economics	1	-	141	43	-	-	27	10	2	-
Human resources development	-	1	18	16	-	-	14	25	-	-
Hotel/motel management	43	42	55	41	-	-	-	-	-	-
Restaurant management	10	8	-	-	-	-	-	-	-	-
Transportation management	4	3	77	34	-	-	1	-	-	-
Hotel restaurant and management, other	5	4	78	80						
Institutional management, other	1	1	-	-	-	-	-	-	-	-
Insurance and risk management	-	-	12	9	-	-	9	4	2	1
International business management	-	-	28	42	-	-	31	14	1	-
Labor/industrial relations	1	3	37	61	-	-	42	30	2	-
Management information systems	9	14	150	117	-	-	11	-	-	-
Business statistics	-	-	3	1	-	-	4	1	6	1
Operations research (quantitative methods)	-	-	76	59	-	-	25	6	-	-
Management science, other	-	-	116	43	-	-	4	2	-	-
Marketing management	22	32	1 140	989	-	-	85	51	1	1
Marketing management and research, other	1	2	55	43	-	-	-	-	-	-

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1984-85--Continued

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
BUSINESS AND MANAGEMENT--Concluded										
Organizational behavior	-	-	3	3	-	-	1	-	1	-
Personnel management	-	2	46	70	-	-	8	6	-	-
Real estate	12	9	26	10	-	-	6	4	-	-
Real estate, other	-	-	-	-	-	-	1	-	-	-
Small business management and ownership	1	-	2	1	-	-	-	-	-	-
Taxation	-	-	-	-	-	-	133	34	-	-
Trade and industrial supervision and management	6	2	9	-	-	-	-	-	-	-
Hotel and restaurant management	15	11	-	-	-	-	-	-	-	-
Business management technology	15	16	-	-	-	-	-	-	-	-
Business and management, other	38	56	49	44	-	-	-	-	-	-
BUSINESS AND OFFICE--Total	776	3 067	58	141	-	-	-	-	-	-
Accounting, bookkeeping, & related programs, general	249	513	-	-	-	-	-	-	-	-
Banking and related financial programs, general	4	25	-	-	-	-	-	-	-	-
Business data processing & related programs, general	239	238	16	15	-	-	-	-	-	-
Business computer and console operation	33	45	-	-	-	-	-	-	-	-
Business data programming	132	128	-	-	-	-	-	-	-	-
Business systems analysis	-	-	9	3	-	-	-	-	-	-
Business data processing and related programs, other	16	24	-	-	-	-	-	-	-	-
Office supervision and management	24	23	25	72	-	-	-	-	-	-
Personnel and training	-	10	-	-	-	-	-	-	-	-
Secretarial and related programs, general	9	715	-	49	-	-	-	-	-	-
Court reporting	3	18	-	-	-	-	-	-	-	-
Executive secretarial	1	367	-	-	-	-	-	-	-	-
Legal secretarial	-	156	-	-	-	-	-	-	-	-
Medical secretarial	-	397	-	-	-	-	-	-	-	-
Secretarial	1	48	-	2	-	-	-	-	-	-
Secretarial and related programs, other	8	17	-	-	-	-	-	-	-	-
Typing, general office, & related programs, general	-	15	-	-	-	-	-	-	-	-
Receptionist and communication systems operation	5	19	-	-	-	-	-	-	-	-
Typing, general office, & related programs, other	-	8	-	-	-	-	-	-	-	-
Word processing	1	155	-	-	-	-	-	-	-	-
Business (administrative support), other	51	146	-	-	-	-	-	-	-	-
MARKETING AND DISTRIBUTION--Total	115	549	51	179	-	-	4	3	-	-
Apparel and accessories marketing, general	-	13	4	7	-	-	-	-	-	-
Fashion merchandising	67	357	1	126	-	-	-	-	-	-
Business and personal services marketing, other	-	-	1	-	-	-	-	-	-	-
Entrepreneurship	-	-	22	4	-	-	4	3	-	-
Purchasing	3	1	-	-	-	-	-	-	-	-
Retailing	27	104	-	14	-	-	-	-	-	-
General marketing, other	7	12	23	28	-	-	-	-	-	-
Office products and equipment marketing	2	5	-	-	-	-	-	-	-	-
Hospitality and recreation marketing, general	6	1	-	-	-	-	-	-	-	-
Transportation and travel marketing, general	2	32	-	-	-	-	-	-	-	-
Tourism	1	24	-	-	-	-	-	-	-	-
COMMUNICATIONS--Total	236	207	913	1 238	-	-	53	67	4	4
Communications, general	8	37	378	611	-	-	38	45	4	4
Advertising	3	5	10	42	-	-	-	-	-	-
Journalism (mass communications)	14	18	196	317	-	-	9	15	-	-
Public relations	-	6	5	10	-	-	-	-	-	-
Radio/television, general	3	4	310	245	-	-	6	7	-	-
Communications, other	208	137	14	13	-	-	-	-	-	-
COMMUNICATION TECHNOLOGIES--Total	86	51	28	24	-	-	-	-	-	-
Motion picture technology	4	3	-	-	-	-	-	-	-	-
Photographic technology	43	22	1	2	-	-	-	-	-	-
Radio & television production & broadcasting technology	29	17	27	19	-	-	—	-	-	-
Communication technologies, other	10	9	-	3	-	-	-	-	-	-
COMPUTER AND INFORMATION SCIENCES--Total	316	233	1 878	1 063	-	-	321	214	19	7
Computer and information sciences, general	213	159	1 548	798	-	-	181	71	16	7
Computer programming	38	29	-	-	-	-	-	-	-	-
Data processing	19	17	-	-	-	-	-	-	-	-
Information sciences and systems	45	28	214	183	-	-	124	137	3	-
Systems Analysis	1	-	-	-	-	-	-	-	-	-
Computer and information sciences, other	-	-	116	82	-	-	16	6	-	-
CONSUMER, PERSONAL, AND MISCELLANEOUS SERVICES--Total	12	53	-	-	-	-	-	-	-	-
Funeral services	10	7	-	-	-	-	-	-	-	-
Pre-mortuary science	1	-	-	-	-	-	-	-	-	-
Cosmetology	-	44	-	-	-	-	-	-	-	-
Recreational leadership and physical education	1	2	-	-	-	-	-	-	-	-
EDUCATION--Total	63	220	985	3 644	-	-	792	1 992	220	292
Education, general	44	68	4	9	-	-	53	153	7	18
Curriculum and instruction	-	-	-	-	-	-	15	50	13	31
Education administration, general	-	-	-	-	-	-	72	63	38	33
Education supervision	-	-	-	-	-	-	3	4	-	-
Elementary & secondary education administration	-	-	-	-	-	-	11	23	-	-
Higher education administration	-	-	-	-	-	-	3	6	14	25
Educational media	-	-	-	-	-	-	18	20	5	4
Educational statistics and research	-	-	-	1	-	-	5	3	-	1
Educational testing, evaluation and measurement	-	-	-	-	-	-	-	2	1	-
Higher education research	-	-	-	-	-	-	2	3	6	4
International and comparative education	-	-	-	-	-	-	1	-	3	3
School psychology	-	-	-	-	-	-	42	103	19	44
Social foundations	-	-	-	-	-	-	1	3	3	3

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1985-86--Continued

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
EDUCATION--Concluded										
Special education, general	-	-	55	513	-	-	44	202	7	12
Education of the culturally disadvantaged	-	-	-	-	-	-	6	19	-	-
Education of the deaf and hearing impaired	-	-	-	7	-	-	-	-	-	-
Education of the gifted and talented	-	-	-	-	-	-	1	2	-	-
Education of the mentally handicapped	-	-	-	-	-	-	1	1	-	-
Education of the multiple handicapped	-	-	-	-	-	-	2	2	-	-
Education of the physically handicapped	-	-	1	10	-	-	-	-	-	-
Education of the visually handicapped	-	-	-	-	-	-	-	7	-	-
Specific learning disabilities	-	-	-	-	-	-	1	3	-	-
Speech correction	-	-	4	120	-	-	-	49	-	-
Communication disorders	-	-	1	47	-	-	5	31	2	1
Rehabilitation	-	-	12	50	-	-	-	-	-	-
Special education, other	-	-	-	-	-	-	1	16	-	-
Student counseling and personal services	-	-	-	-	-	-	144	322	16	22
Elementary school	-	-	-	-	-	-	9	18	-	-
Adult and continuing education	-	-	-	-	-	-	3	14	2	-
Elementary education	5	21	168	1 624	-	-	83	191	16	19
Pre-elementary education	2	97	7	229	-	-	3	28	-	-
Secondary education	9	17	31	49	-	-	27	32	6	6
Early childhood education	-	3	-	93	-	-	2	13	-	-
Teacher education, general programs, other	1	7	-	2	-	-	5	25	-	-
Agricultural education	-	-	7	2	-	-	6	4	3	-
Art education	-	-	15	75	-	-	10	18	1	3
Business education	1	2	21	94	-	-	2	26	1	-
English education	-	-	2	17	-	-	20	27	2	5
Foreign languages education	-	-	-	3	-	-	-	4	-	-
Health education	-	-	23	56	-	-	12	76	2	8
Home economics education	-	-	-	32	-	-	-	8	-	4
Industrial arts education	-	-	103	5	-	-	19	-	-	-
Marketing and distributive education	-	-	12	35	-	-	1	3	2	1
Mathematics education	-	-	18	24	-	-	10	28	2	1
Music education	-	1	112	161	-	-	17	29	2	1
Nutritional education	-	-	-	-	-	-	-	1	-	-
Physical education	1	4	257	305	-	-	77	78	12	7
Reading education	-	-	-	-	-	-	21	225	6	12
Science education	-	-	9	13	-	-	8	19	2	-
Social science education	-	-	15	10	-	-	-	-	-	-
Social studies education	-	-	70	22	-	-	8	6	-	-
Technical education	-	-	-	-	-	-	8	13	5	2
Trade and industrial education	-	-	14	4	-	-	12	-	15	12
Nursing education	-	-	9	28	-	-	-	-	-	-
Physics/math	-	-	2	1	-	-	-	-	-	-
Dental hygiene	-	-	-	5	-	-	-	-	-	-
Environmental education	-	-	-	-	-	-	3	-	-	-
Health, physical and recreation education	-	-	2	6	-	-	-	-	-	-
Physical education and sport	-	-	10	11	-	-	-	-	-	-
Extension education	-	-	-	-	-	-	2	3	-	-
Communication education	-	-	1	1	-	-	-	-	-	-
Teacher education, specific subject areas, other	-	-	-	-	-	-	-	-	7	10
Teaching English as a second language/foreign language	-	-	-	-	-	-	1	6	-	-
Education, other	-	-	-	-	-	-	2	10	-	-
ENGINEERING--Total	91	14	4 206	799	-	-	884	150	101	17
Engineering, general	51	14	109	35	-	-	4	-	-	-
Aerospace, aeronautical & astronautical engineering	-	-	120	11	-	-	16	1	1	-
Agricultural engineering	-	-	23	3	-	-	4	-	1	-
Architectural engineering	-	-	119	24	-	-	5	-	-	-
Bioengineering and biomedical engineering	-	-	26	8	-	-	20	10	7	-
Ceramic engineering	-	-	16	9	-	-	8	2	4	-
Chemical engineering	-	-	417	143	-	-	86	29	45	7
Civil engineering	-	-	361	60	-	-	135	16	11	-
Computer engineering	30	-	72	25	-	-	1	1	-	-
Electrical, electronics, & communications engineering	6	-	1 395	203	-	-	186	29	33	-
Engineering mechanics	-	-	-	-	-	-	13	1	2	-
Engineering physics	4	-	15	2	-	-	-	-	-	-
Engineering science	-	-	36	5	-	-	30	11	-	-
Environmental health engineering	-	-	12	2	-	-	10	-	-	-
Industrial engineering	-	-	231	112	-	-	68	16	3	-
Materials engineering	-	-	29	8	-	-	17	5	11	3
Mechanical engineering	-	-	980	103	-	-	126	7	28	1
Metallurgical engineering	-	-	85	16	-	-	38	4	22	5
Mining and mineral engineering	-	-	34	1	-	-	14	6	3	1
Nuclear engineering	-	-	33	6	-	-	14	-	4	-
Petroleum engineering	-	-	68	13	-	-	10	2	-	-
Systems engineering	-	-	11	7	-	-	15	7	2	-
Textile engineering	-	-	8	3	-	-	-	-	-	-
Engineering and public	-	-	-	-	-	-	-	-	3	-
Engineering, other	-	-	6	-	-	-	64	3	1	-
ENGINEERING & ENGINEERING-RELATED TECHNOLOGIES--Total	3 179	161	621	65	-	-	14	8	7	1
Architectural design & construction technology	56	14	17	2	-	-	-	-	-	-
Civil technology	35	2	66	6	-	-	-	-	-	-
Drafting and design technology	80	12	-	-	-	-	-	-	-	-
Surveying and mapping technology	17	-	-	-	-	-	-	-	-	-
Computer technology	20	2	3	-	-	-	-	-	-	-
Electrical technology	185	10	113	4	-	-	-	-	-	-
Electronic technology	1 653	57	62	5	-	-	-	-	-	-
Electric and electronic technologies, other	35	5	67	3	-	-	-	-	-	-
Biomedical equipment technology	103	7	1	-	-	-	-	-	-	-
Computer servicing technology	18	2	-	-	-	-	-	-	-	-
Electromechanical technology	39	2	-	-	-	-	-	-	-	-
Instrumentation technology	10	2	-	-	-	-	-	-	-	-

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1984-85--Continued

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
ENGINEERING & ENGINEERING-RELATED TECHNOLOGIES--Concluded										
Energy conservation and use technology	1	-	8	2	-	-	-	-	-	-
Solar heating and cooling technology	7	-	-	-	-	-	-	-	-	-
Water and wastewater technology	1	-	7	2	-	-	2	4	-	-
Environmental control technologies, other	-	-	-	-	-	-	9	2	-	-
Energy and environmental	-	-	14	-	-	-	-	-	-	-
Chemical manufacturing technology	8	1	-	-	-	-	-	-	-	-
Industrial technology	19	8	17	2	-	-	-	-	-	-
Manufacturing technology	22	2	22	1	-	-	-	-	-	-
Safety technology	1	1	-	-	-	-	-	-	-	-
Textile technology	-	-	6	6	-	-	-	-	-	-
Welding technology	17	1	-	-	-	-	-	-	-	-
Industrial production technologies, other	2	-	-	-	-	-	-	-	-	-
Occupational safety and health technology	-	-	43	14	-	-	-	-	-	-
Quality control technology	10	-	-	-	-	-	-	-	-	-
Aeronautical technology	197	2	-	-	-	-	-	-	-	-
Agricultural equipment	4	-	-	-	-	-	-	-	-	-
Automotive technology	299	7	-	-	-	-	-	-	-	-
Mechanical design technology	244	14	169	17	-	-	-	-	-	-
Telecommunications	24	6	-	-	-	-	-	-	-	-
Mechanical technology	6	-	-	-	-	-	-	-	-	-
Mechanical and related technologies, other	-	-	1	-	-	-	-	-	-	-
Petroleum technology	11	-	2	-	-	-	-	-	-	-
Fuel science	-	-	3	1	-	-	1	1	7	1
Construction technology	18	-	-	-	-	-	-	-	-	-
Engineering & engineering-related technologies, other	37	4	-	-	-	-	2	1	-	-
FOREIGN LANGUAGES--Total	1	2	140	485	-	-	20	62	10	17
Foreign languages, multiple emphasis	1	2	4	15	-	-	2	13	5	3
Japanese	-	-	1	5	-	-	-	-	-	-
Russian	-	-	19	40	-	-	2	3	-	-
Slavic languages (other than Russian)	-	-	2	-	-	-	2	-	1	2
German	-	-	30	75	-	-	3	17	1	2
Greek (classical)	-	-	3	3	-	-	-	-	-	-
French	-	-	28	171	-	-	3	11	1	6
Italian	-	-	4	6	-	-	-	1	-	-
Latin	-	-	6	10	-	-	1	1	1	-
Spanish	-	-	39	155	-	-	7	14	1	4
Foreign languages, other	-	-	4	5	-	-	-	2	-	-
ALLIED HEALTH--Total	267	1 297	183	779	-	-	40	125	-	-
Dental assisting	-	24	-	-	-	-	-	-	-	-
Dental hygiene	-	102	1	33	-	-	-	-	-	-
Dental laboratory technology	21	11	-	-	-	-	-	-	-	-
Dental business	-	2	-	-	-	-	-	-	-	-
Cardiovascular technology	3	11	-	2	-	-	-	-	-	-
Emergency medical technology-paramedic	10	4	-	-	-	-	-	-	-	-
Medical radiation dosimetry	4	1	-	-	-	-	-	-	-	-
Nuclear medical technology	8	15	3	15	-	-	-	-	-	-
Radiologic (medical) technology	40	104	10	19	-	-	-	-	-	-
Respiratory therapy technology	48	63	-	3	-	-	-	-	-	-
Surgical technology	3	6	-	-	-	-	-	-	-	-
Diagnostic medical sonography	4	17	2	3	-	-	-	-	-	-
Diagnostic and treatment services, other	1	6	-	-	-	-	-	-	-	-
Clinical animal technology	-	9	-	-	-	-	-	-	-	-
Cytotechnology	-	-	2	11	-	-	-	-	-	-
Histologic technology	-	1	-	-	-	-	-	-	-	-
Medical laboratory technology	31	205	13	93	-	-	-	-	-	-
Medical technology	2	6	30	120	-	-	-	4	-	-
Microbiology technology	-	-	1	1	-	-	-	-	-	-
Medical laboratory technologies, other	5	16	-	-	-	-	-	-	-	-
Alcohol/drug abuse specialty	-	-	7	7	-	-	-	-	-	-
Community health work	1	2	-	-	-	-	-	-	-	-
Mental health/human services assisting	9	33	-	-	-	-	-	-	-	-
Mental health/human services technology	14	62	7	14	-	-	-	-	-	-
Rehabilitation counseling	-	-	-	-	-	-	6	18	-	-
Sign language interpreter	-	2	-	-	-	-	-	-	-	-
Human services technologies	-	3	-	-	-	-	-	-	-	-
Habilitative services	1	3	-	3	-	-	-	-	-	-
Exceptional persons	-	-	-	2	-	-	2	2	-	-
Mental health/human services, other	-	9	-	-	-	-	-	-	-	-
Animal technology	-	38	-	-	-	-	-	-	-	-
Medical assisting	2	233	-	-	-	-	-	-	-	-
Medical illustrating	-	-	1	1	-	-	-	-	-	-
Medical records technology	2	48	-	-	-	-	-	-	-	-
Pharmacy assisting	3	13	-	-	-	-	-	-	-	-
Physician assisting	8	12	21	45	-	-	-	-	-	-
Veterinarian aide	-	6	-	-	-	-	-	-	-	-
Veterinarian assisting	-	7	-	-	-	-	-	-	-	-
Miscellaneous Allied Health Services, other	-	21	-	2	-	-	-	-	-	-
Opthalmic dispensing	8	9	-	-	-	-	-	-	-	-
Optometric technology	1	4	-	-	-	-	-	-	-	-
Art therapy	-	-	6	19	-	-	-	16	-	-
Dance therapy	-	-	-	-	-	-	1	6	-	-
Music therapy	-	-	3	10	-	-	-	-	-	-
Occupational therapy	-	2	15	151	-	-	1	-	-	-
Occupational therapy assisting	11	71	-	-	-	-	1	-	-	-
Physical therapy	4	5	48	131	-	-	22	50	-	-
Physical therapy assisting	2	45	-	-	-	-	-	-	-	-
Recreational therapy	6	24	-	12	-	-	-	-	-	-
Recreational therapy assisting	-	4	-	-	-	-	-	-	-	-
Respiratory therapy	12	27	1	14	-	-	-	-	-	-
Speech/hearing therapy aide	1	7	-	-	-	-	-	-	-	-
Speech-language pathology/audiology	-	-	-	15	-	-	-	-	-	-
Vision rehabilitation	-	-	-	5	-	-	-	-	-	-
Health services assistant	-	-	-	3	-	-	-	-	-	-
Environmental health	-	-	6	6	-	-	-	-	-	-
Allied health, other	-	2	6	19	-	-	8	29	-	-

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1985-86--Continued

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
HEALTH SCIENCES--Total	135	1 268	516	3 119	1 337	568	176	749	47	27
Audiology	-	-	-	-	-	-	-	3	-	-
Speech pathology	-	-	1	5	-	-	1	10	-	-
Speech-language pathology/audiology	-	-	1	23	-	-	5	96	2	1
Clinical anatomy	-	-	-	-	-	-	-	-	1	
Clinical biochemistry	-	-	13	6	-	-	2	2	2	1
Clinical microbiology	-	-	-	-	-	-	2	6	5	-
Clinical pathology	-	-	-	-	-	-	1	6	-	-
Clinical physiology	-	-	-	-	-	-	2	1	1	1
Toxicology (clinical)	-	-	-	-	-	-	-	-	-	1
Basic clinical health sciences, other	-	-	-	3	-	-	-	-	-	-
Chiropractic	-	-	-	-	13	11	-	-	-	-
Dentistry, general	-	-	-	-	313	72	-	-	-	-
Endodontics	-	-	-	-	-	-	2	-	-	-
Orthodontics	-	-	-	-	-	-	3	2	-	-
Pedodontics	-	-	-	-	-	-	3	2	-	-
Prosthodontics	-	-	-	-	-	-	1	-	-	-
Dentistry, other	-	-	-	-	-	-	1	1	1	-
Health services administration	-	-	45	140	-	-	82	125	1	-
Medical records administration	-	-	5	45	-	-	-	-	-	-
Health services administration, other	1	2	12	44	-	-	22	32	-	-
Medical laboratory	-	-	10	34	-	-	-	-	-	-
Medicine, general	-	-	-	-	717	326	-	-	9	1
Geriatrics	-	1	-	5	-	-	-	-	-	-
Pathology	-	-	-	-	-	-	-	-	1	-
Medicine, other	-	-	-	-	-	-	2	2	5	2
Nursing, general	134	1 262	128	2 465	-	-	4	98	-	6
Anesthetist	-	3	15	13	-	-	-	-	-	-
Maternal/child health	-	-	-	1	-	-	1	55	1	1
Medical surgical	-	-	-	1	-	-	2	61	-	-
Nursing administration	-	-	-	-	-	-	1	35	-	-
Psychiatric/mental health	-	-	-	-	-	-	1	22	-	1
Public health	-	-	-	-	-	-	-	5	-	-
Nursing, other	-	-	3	25	-	-	6	129	-	-
Optometry	-	-	1	-	-	-	-	-	-	-
Osteopathic medicine	-	-	-	-	149	60	-	-	-	-
Pharmacy	-	-	212	271	22	13	11	6	7	1
Podiatry	-	-	-	-	76	30	-	-	-	-
Pre-dentistry	-	-	2	-	-	-	-	-	-	-
Pre-medicine	-	-	41	12	-	-	-	-	-	-
Pre-veterinary	-	-	-	1	-	-	-	-	-	-
Public health laboratory science	-	-	7	16	-	-	-	-	-	-
Epidemiology	-	-	-	-	-	-	6	11	5	11
Veterinary medicine	-	-	-	-	47	56	-	-	-	-
Health science	-	-	10	3	-	-	-	-	-	-
Sports medicine	-	-	4	1	-	-	-	-	-	-
Health sciences, other	-	-	6	5	-	-	15	39	6	-
HOME ECONOMICS--Total	12	49	26	396	-	-	7	47	3	14
Home economics, general	-	-	-	7	-	-	-	-	-	-
Family and community services	-	-	2	22	-	-	-	-	-	-
Consumer science	-	-	1	12	-	-	-	-	-	-
Food sciences and human nutrition, general	-	-	3	64	-	-	-	8	-	-
Dietetics/human nutritional services	-	3	9	124	-	-	2	17	-	3
Human nutrition	-	-	-	-	-	-	-	1	-	-
Food sciences and human nutrition, other	-	-	-	-	-	-	-	1	-	-
Individual and family development, general	-	-	11	139	-	-	2	6	3	11
Family counseling	-	-	-	-	-	-	2	10	-	-
Gerontological services	-	2	-	-	-	-	1	4	-	-
Textiles and clothing, general	-	-	-	12	-	-	-	-	-	-
Fashion design	12	44	-	13	-	-	-	-	-	-
Textiles and clothing, other	-	-	-	3	-	-	-	-	-	-
VOCATIONAL HOME ECONOMICS--Total	45	269	25	85	-	-	-	-	-	-
Child development, care, and guidance	-	-	-	1	-	-	-	-	-	-
Food and nutrition	-	-	-	11	-	-	-	-	-	-
Child care & guidance management & services, general	1	54	3	39	-	-	-	-	-	-
Child care aide/assisting	4	91	-	-	-	-	-	-	-	-
Child care management	-	7	-	5	-	-	-	-	-	-
Teacher aide	9	35	-	-	-	-	-	-	-	-
Custom apparel/garment seamstress	-	8	-	-	-	-	-	-	-	-
Food production, management & services, general	11	14	22	29	-	-	-	-	-	-
Chef/cook	21	7	-	-	-	-	-	-	-	-
Dietetic aide/assisting	1	25	-	-	-	-	-	-	-	-
Food service	8	7	-	-	-	-	-	-	-	-
Food production, management & services, other	10	21	-	-	-	-	-	-	-	-
LAW--Total	7	106	53	48	797	587	49	20	-	-
Law	-	-	-	-	797	587	43	18	-	-
Pre-law	-	-	32	17	-	-	-	-	-	-
Legal assisting	7	106	-	9	-	-	-	-	-	-
Law, other	-	-	21	22	-	-	6	2	-	-
LETTERS--Total	3	7	726	1 422	-	-	100	174	31	30
English, general	3	7	440	907	-	-	70	116	20	15
Classics	-	-	8	14	-	-	5	4	-	2
Comparative literature	-	-	2	14	-	-	5	3	1	3
Composition	-	-	1	4	-	-	-	-	-	-
Creative writing	-	-	24	83	-	-	-	2	-	-
Linguistics(includes phonetics, semantics, & philology)	-	-	3	13	-	-	6	11	6	2
Literature, English	-	-	31	69	-	-	1	1	-	-
Rhetoric	-	-	-	-	-	-	-	-	-	-
Speech, debate, and forensics	-	-	198	307	-	-	3	13	4	4
Technical and business writing	-	-	16	34	-	-	10	24	-	-
Letters, other	-	-	1	5	-	-	-	-	-	-

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX BY FIELD OF STUDY, 1985-86--Continued

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
LIBERAL/GENERAL STUDIES--Total	705	1 168	237	284	-	-	31	19	-	-
Liberal/arts and sciences	599	977	223	251	-	-	31	19	-	-
General studies	71	151	-	-	-	-	-	-	-	-
Liberal/general studies, other	31	37	-	-	-	-	-	-	-	-
General education	1	2	-	-	-	-	-	-	-	-
Adult education	-	-	14	33	-	-	-	-	-	-
Occupational studies	3	1	-	-	-	-	-	-	-	-
LIBRARY AND ARCHIVAL SCIENCES--Total	1	3	3	30	-	-	50	110	8	4
Library and archival sciences, general	-	-	-	6	-	-	-	-	-	-
Library assisting	1	3	-	-	-	-	-	-	-	-
Library science	-	-	3	24	-	-	50	110	8	4
LIFE SCIENCES--Total	20	25	1 262	1 221	-	-	99	99	77	30
Biology, general	18	24	1 078	994	-	-	55	41	26	12
Biochemistry and biophysics	-	1	79	79	-	-	9	10	6	5
Botany, general	-	-	-	-	-	-	-	1	1	-
Plant pathology	-	-	-	-	-	-	1	3	2	-
Molecular biology	-	-	14	7	-	-	2	2	2	2
Microbiology	-	-	48	90	-	-	1	4	7	-
Anatomy	-	-	-	-	-	-	3	-	2	1
Ecology	-	-	2	3	-	-	2	-	1	1
Marine biology	-	-	4	1	-	-	-	-	-	-
Neurosciences	-	-	12	8	-	-	-	-	-	-
Nutritional sciences	-	-	3	18	-	-	1	21	-	-
Toxicology	-	-	14	11	-	-	1	-	-	-
Laboratory animal	-	-	-	-	-	-	-	3	-	-
Veterinary science	-	-	-	-	-	-	3	1	-	-
Miscellaneous specilized areas, life sciences, other	-	-	1	2	-	-	-	-	-	-
Zoology, general	-	-	-	-	-	-	-	-	1	-
Entomology	-	-	2	-	-	-	3	1	7	1
Genetics, human and animal	-	-	-	5	-	-	5	4	3	-
Pathology, human and animal	-	-	-	-	-	-	-	-	2	3
Pharmacology, human and animal	-	-	-	-	-	-	4	1	9	4
Physiology, human and animal	-	-	-	-	-	-	9	7	8	1
Life sciences, other	2	-	5	3	-	-	-	-	-	-
MATHEMATICS--Total	14	4	595	533	-	-	82	43	21	7
Mathematics, general	14	4	447	473	-	-	62	31	17	7
Actuarial sciences	-	-	21	14	-	-	-	1	-	-
Applied mathematics	-	-	112	41	-	-	12	3	1	-
Pure mathematics	-	-	-	2	-	-	-	-	-	-
Statistics	-	-	2	-	-	-	8	7	3	-
Mathematics, other	-	-	13	3	-	-	-	1	-	-
MILITARY SCIENCES--Total	-	-	-	1	-	-	-	-	-	-
Coast guard science	-	-	-	1	-	-	-	-	-	-
MULTI/INTERDISCIPLINARY STUDIES--Total	31	35	391	317	-	-	48	40	17	6
Biological and physical sciences	20	20	212	133	-	-	2	1	1	-
Clinical pastoral care	-	-	-	5	-	-	5	11	-	-
Engineering and other disciplines	-	-	16	7	-	-	11	-	6	-
Humanities and social sciences	10	15	34	47	-	-	4	7	8	4
Behavioral sciences	-	-	4	11	-	-	-	-	-	-
Peace studies	-	-	-	-	-	-	1	-	1	-
Women's studies	-	-	-	2	-	-	-	-	-	-
Public/health/administration	-	-	-	-	-	-	5	11	-	-
Environmental studies	-	-	89	10	-	-	-	-	-	-
Environmental science	-	-	9	2	-	-	-	-	-	-
Mathematics and computer science	-	-	5	5	-	-	-	-	-	-
Business and behavioral	-	-	-	4	-	-	-	-	-	-
Bachelor of philosophy	-	-	1	1	-	-	-	-	-	-
Mineral economics	-	-	18	8	-	-	7	-	-	2
English and business	-	-	-	1	-	-	-	-	-	-
Art and communication	-	-	-	2	-	-	-	-	-	-
Bilingual/bicultural Spanish studies	-	-	-	-	-	-	5	7	-	-
Journalism/science	-	-	-	2	-	-	-	-	-	-
Management science	-	-	2	3	-	-	-	-	-	-
Professional growth	-	-	-	-	-	-	3	-	-	-
Multi/interdisciplinary studies, other	1	-	61	74	-	-	5	3	1	-
PARKS AND RECREATION--Total	7	3	107	164	-	-	13	17	2	1
Parks and recreation, general	-	-	20	46	-	-	5	7	2	-
Parks and recreation management	7	3	87	118	-	-	8	10	-	1
PHILOSOPHY AND RELIGION--Total	1	1	215	161	-	-	44	63	25	15
Philosophy	-	1	116	72	-	-	18	5	17	9
Religion	-	-	94	84	-	-	23	58	8	6
Christian service	1	-	-	-	-	-	-	-	-	-
Philosophy/religion	-	-	1	3						
Philosophy and religion, other	-	-	4	2	-	-	3	-	-	-
THEOLOGY--Total	12	25	207	128	371	138	129	78	87	13
Bible studies	12	24	97	27	-	-	8	-	-	-
Missionary studies	-	-	4	5	-	-	-	-	-	-
Religious education	-	1	11	27	-	-	23	48	-	-
Religious music	-	-	1	6	-	-	1	-	-	-
Theological studies	-	-	73	59	371	130	86	23	64	10
Youth ministries	-	-	6	4	-	-	-	-	-	-
Ministry	-	-	-	-	-	-	-	-	23	3
Pastoral Ministries	-	-	15	-	-	-	-	-	-	-
Theology, other	-	-	-	-	-	-	11	7	-	-

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1985-86--Continued

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
PHYSICAL SCIENCES--Total	29	6	1 034	465	-	-	198	61	140	30
Physical sciences, general	19	3	17	17	-	-	4	1	-	-
Astronomy	-	-	8	1	-	-	1	-	1	-
Atmospheric sciences and meteorology	-	-	34	14	-	-	12	2	2	1
Chemistry, general	4	2	445	307	-	-	63	27	59	19
Organic chemistry	-	-	-	-	-	-	-	-	1	2
Pharmaceutical chemistry	-	-	-	-	-	-	13	4	1	-
Forensic chemistry	-	-	4	1	-	-	-	-	-	-
Chemistry, other	-	-	12	14	-	-	3	5	7	-
Geology	-	-	137	35	-	-	33	9	4	1
Geochemistry	-	-	1	-	-	-	5	2	4	1
Geophysics and seismology	-	-	1	-	-	-	4	-	1	1
Geoenvironmental studies	-	-	21	3	-	-	3	1	-	-
Geosciences, other	-	-	29	3	-	-	-	-	-	-
Oceanography	-	-	2	2	-	-	-	-	-	-
Earth science	-	-	75	19	-	-	1	-	-	-
Physics, general	6	1	222	45	-	-	48	8	51	3
Applied physics	-	-	-	-	-	-	2	-	-	-
Planetary science	-	-	15	2	-	-	-	-	-	-
Physical sciences, other	-	-	11	2	-	-	6	2	7	2
SCIENCE TECHNOLOGIES--Total	24	12	2	-	-	-	-	-	-	-
Nuclear power plant operation technology	19	4	-	-	-	-	-	-	-	-
Nuclear power plant radiation control technology	5	1	-	-	-	-	-	-	-	-
Radiologic (Physical) Technology	-	2	-	-	-	-	-	-	-	-
Chemical technology	2	3	-	-	-	-	-	-	-	-
Science technologies, other	-	2	2	-	-	-	-	-	-	-
PSYCHOLOGY--Total	9	22	652	1 481	-	-	154	243	47	35
Psychology, general	8	13	598	1 398	-	-	70	127	16	19
Clinical psychology	-	-	-	-	-	-	11	21	19	8
Community psychology	1	5	-	-	-	-	2	-	-	-
Comparative psychology	-	-	-	-	-	-	11	2	-	-
Counseling psychology	-	-	1	5	-	-	35	57	10	5
Developmental psychology	-	-	-	-	-	-	-	-	1	-
Experimental psychology	-	-	1	1	-	-	-	-	1	3
Physiological psychology	-	-	42	40	-	-	-	-	-	-
Psycholinguistics	-	-	1	1	-	-	-	-	-	-
Quantitative psychology	-	-	-	-	-	-	4	2	-	-
Social psychology	-	-	6	29	-	-	9	10	-	-
Gerontology	-	4	-	-	-	-	2	-	-	-
Psychological services	-	-	-	-	-	-	5	14	-	-
Pastoral counseling	-	-	-	-	-	-	5	10	-	-
Psychology, other	-	-	3	7	-	-	-	-	-	-
PROTECTIVE SERVICES--Total	218	101	541	244	-	-	52	20	-	-
Correctional administration	-	-	32	17	-	-	5	2	-	-
Corrections	11	20	-	2	-	-	-	-	-	-
Criminal justice administration	3	1	101	35	-	-	33	10	-	-
Criminal justice studies	17	4	235	105	-	-	11	5	-	-
Criminal justice technology	101	52	-	1	-	-	-	-	-	-
Law enforcement	29	9	78	44	-	-	-	2	-	-
Law enforcement administration	27	13	-	-	-	-	-	-	-	-
Administration of Justice			102	60						
Criminal justice, other	-	-	13	2	-	-	-	-	-	-
Fire control and safety technology	25	-	-	-	-	-	-	-	-	-
Fire protection administration	3	-	-	-	-	-	3	1	-	-
Protective services, other	2	-	-	-	-	-	-	-	-	-
PUBLIC AFFAIRS--Total	18	34	187	606	-	-	499	552	19	23
Public affairs, general	-	-	25	25	-	-	15	-	9	5
Community services	6	5	17	15	-	-	4	5	1	-
International public service	-	-	22	29	-	-	69	28	-	-
Public administration	3	4	43	27	-	-	296	165	-	2
Public policy studies	-	-	19	12	-	-	28	7	5	-
Social work, general	6	24	31	299	-	-	81	280	4	16
Social welfare	-	-	2	19	-	-	-	-	-	-
Social work, other	-	-	6	59	-	-	13	39	-	-
Administration	-	-	-	-	-	-	-	2	-	-
Human services, general	-	-	15	113	-	-	16	29	-	-
Public affairs, other	-	1	7	8	-	-	-	-	-	-
SOCIAL SCIENCES--Total	50	61	2 909	2 128	-	-	223	164	99	41
Social sciences, general	27	45	44	68	-	-	9	2	-	-
Anthropology	-	-	35	74	-	-	10	14	13	9
Archaeology	-	-	1	9	-	-	1	5	1	3
Criminology	19	5	89	47	-	-	-	-	-	-
Demography	-	-	-	-	-	-	4	5	5	1
Economics	-	-	949	530	-	-	54	22	28	3
Economics, political	-	-	1	-	-	-	-	-	-	-
Geography	-	-	94	32	-	-	26	7	2	1
History	-	-	515	250	-	-	57	35	13	8
International relations	-	-	76	98	-	-	7	3	2	1
Political science and government	1	-	848	538	-	-	35	23	7	4
Sociology	1	5	195	404	-	-	18	41	19	8
Rural sociology	-	-	-	-	-	-	-	4	5	1
Urban studies	-	-	18	26	-	-	2	1	-	-
Sociology/anthropology	-	-	9	21	-	-	-	-	-	-
Social sciences, other	2	6	13	26	-	-	-	2	4	2

TABLE 4

ASSOCIATE AND HIGHER DEGREES CONFERRED BY LEVEL OF PROGRAM AND SEX
BY FIELD OF STUDY, 1985-86--Concluded

	Associate Degrees		Bachelor's Degrees		First Professional Degrees		Master's Degrees		Doctor's Degrees	
	Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
CONSTRUCTION TRADES--Total	290	4	7	-	-	-	-	-	-	-
Carpentry	32	-	-	-	-	-	-	-	-	-
Electrical and power transmission installation, general	19	-	-	-	-	-	-	-	-	-
Electrician	133	3	-	-	-	-	-	-	-	-
Building and property maintenance	36	1	-	-	-	-	-	-	-	-
Painting and decorating	9	-	-	-	-	-	-	-	-	-
Building construction technology	33	-	-	-	-	-	-	-	-	-
Construction trades, other	28	-	7	-	-	-	-	-	-	-
MECHANICS AND REPAIRERS--Total	357	5	-	-	-	-	-	-	-	-
Computer electronics	37	2	-	-	-	-	-	-	-	-
Heating, air cond., and refrigeration mech., general	2	-	-	-	-	-	-	-	-	-
Cooling and refrigeration	21	-	-	-	-	-	-	-	-	-
Heating and air conditioning	19	1	-	-	-	-	-	-	-	-
Heating, air cond., and refrigeration mech., other	155	-	-	-	-	-	-	-	-	-
Stationary energy sources, general	2	-	-	-	-	-	-	-	-	-
Vehicle and mobile equipment mechanics and repairers, general	79	1	-	-	-	-	-	-	-	-
Aircraft mechanics	7	-	-	-	-	-	-	-	-	-
Automotive body repair	16	-	-	-	-	-	-	-	-	-
Automotive mechanics	14	1	-	-	-	-	-	-	-	-
Diesel engine mechanics	5	-	-	-	-	-	-	-	-	-
PRECISION PRODUCTION--Total	814	314	15	6	-	-	-	-	-	-
Drafting, general	452	59	-	-	-	-	-	-	-	-
Architectural drafting	42	7	-	-	-	-	-	-	-	-
Civil/structural drafting	2	-	-	-	-	-	-	-	-	-
Mechanical drafting	19	3	-	-	-	-	-	-	-	-
Drafting, other	1	1	-	-	-	-	-	-	-	-
Graphic and printing communications, general	9	3	-	-	-	-	-	-	-	-
Commercial art	107	179	-	1	-	-	-	-	-	-
Commercial photography	61	60	-	-	-	-	-	-	-	-
Silk screen making and printing	-	1	-	-	-	-	-	-	-	-
Graphics communications technology	-	-	15	5	-	-	-	-	-	-
Machine tool operation/machine shop	72	-	-	-	-	-	-	-	-	-
Tool and die making	21	-	-	-	-	-	-	-	-	-
Welding	24	-	-	-	-	-	-	-	-	-
Woodworking, general	4	1	-	-	-	-	-	-	-	-
TRANSPORTATION AND MATERIAL MOVING--Total	92	7	-	-	-	-	-	-	-	-
Airplane piloting and navigation (commercial)	38	2	-	-	-	-	-	-	-	-
Aviation computer technology	39	2	-	-	-	-	-	-	-	-
Air traffic control	15	3	-	-	-	-	-	-	-	-
VISUAL AND PERFORMING ARTS--Total	84	74	659	1 199	-	-	126	164	8	10
Visual and performing arts, general	13	23	10	27	-	-	-	-	-	-
Crafts, general	-	-	6	18	-	-	-	-	-	-
Ceramics	-	-	3	7	-	-	2	2	-	-
Fiber/textiles/weaving	-	-	4	37	-	-	-	2	-	-
Metal/jewelry	-	-	3	12	-	-	-	-	-	-
Dance	-	-	15	35	-	-	3	9	-	2
Design, general	-	1	30	84	-	-	7	11	-	-
Graphic design	-	-	31	92	-	-	3	2	-	-
Illustration design	-	-	24	41	-	-	-	-	-	-
Industrial design	-	-	14	14	-	-	-	-	-	-
Design, other	-	-	-	16	-	-	-	-	-	-
Dramatic arts	1	1	79	100	-	-	21	26	-	-
Cinematography/film	-	-	27	11	-	-	-	-	-	-
Film animation	-	-	1	3	-	-	-	-	-	-
Photography	-	-	10	18	-	-	1	1	-	-
Fine arts, general	18	20	131	272	-	-	16	29	-	1
Art history and appreciation	-	-	14	62	-	-	3	3	4	4
Arts management	-	-	-	4	-	-	3	6	-	-
Drawing	-	-	1	1	-	-	-	-	-	-
Intermedia	-	-	15	25	-	-	4	5	-	-
Painting	-	-	25	42	-	-	4	3	-	-
Sculpture	-	-	12	11	-	-	1	1	-	-
Printmaking	-	-	-	3	-	-	-	-	-	-
Art	-	-	41	82	-	-	1	2	-	-
Communication design	-	-	34	55	-	-	-	3	-	-
Fine arts, other	-	-	2	9	-	-	-	-	-	-
Graphic arts technology	45	26	10	11	-	-	2	-	-	-
Music, general	8	2	39	57	-	-	23	18	3	3
Music history and appreciation	-	-	-	1	-	-	1	-	-	-
Music performance	-	-	47	82	-	-	19	21	-	-
Music theory and composition	-	-	6	4	-	-	6	3	1	-
Music merchandising	-	-	3	3	-	-	-	-	-	-
Music (performing, composition, theory)	-	-	5	2	-	-	2	3	-	-
Music, other	-	-	1	8	-	-	4	4	-	-
Visual communication	-	-	-	1	-	-	-	-	-	-
Visual and performing arts, other	2	1	16	9	-	-	-	-	-	-

1/ Excludes estimated data for nonresponding institutions which is: 610 associate; 5 bachelor's; 10 master's; and 10 doctorate's.

TABLE 8

DEGREES AND OTHER FORMAL AWARDS CONFERRED BY INSTITUTION BY LEVEL OF PROGRAM, 1985-86

	Postsecondary Certificates	Total Associate and Higher Degrees	Associate Degrees	Bachelor's Degrees	First-Professional Degrees	Master's Degrees	Doctor's Degrees
TOTAL, ALL INSTITUTIONS 1/ (225)	8 908	97 299	21 557	54 781	3 790	13 364	1 807
STATE UNIVERSITIES (14)	23	14 831	272	12 550	-	1 997	12
Bloomsburg University	-	1 250	2	1 123	-	127	-
California University	-	891	47	720	-	124	-
Cheyney University	-	261	-	241	-	20	-
Clarion University	-	1 077	55	898	-	124	-
East Stroudsburg University	-	848	3	719	-	126	-
Edinboro University	17	993	96	750	-	147	-
Indiana University	6	2 622	15	2 280	-	315	12
Kutztown University	-	1 003	-	872	-	131	-
Lock Haven University	-	467	-	467	-	-	-
Mansfield University	-	518	32	404	-	82	-
Millersville University	-	1 157	9	1 025	-	123	-
Shippensburg University	-	1 327	-	988	-	339	-
Slippery Rock University	-	995	-	880	-	115	-
West Chester University	-	1 422	15	1 183	-	224	-
STATE RELATED COMMONWEALTH UNIVERSITIES (4)	2 822	23 223	1 585	15 155	1 204	4 248	1 031
Lincoln University	-	200	-	155	-	45	-
Pennsylvania State University -- Total	2 721	11 491	1 422	8 323	89	1 293	364
Main Campus	2 710	9 200	75	7 644	-	1 128	353
Allentown Campus	-	-	-	-	-	-	-
Altoona Campus	-	135	135	-	-	-	-
Beaver Campus	-	65	65	-	-	-	-
Behrend College	-	184	42	142	-	-	-
Berks Campus	-	90	90	-	-	-	-
Capital College	-	637	-	537	-	100	-
Delaware Campus	-	34	34	-	-	-	-
DuBois Campus	-	92	92	-	-	-	-
Fayette Campus	-	72	72	-	-	-	-
Hazleton Campus	-	75	75	-	-	-	-
Hershey Medical Center	11	120	14	-	89	6	11
King of Prussia Center for Graduate Studies	-	59	-	-	-	59	-
McKeesport Campus	-	60	60	-	-	-	-
Mont Alto Campus	-	24	24	-	-	-	-
New Kensington Campus	-	126	126	-	-	-	-
Ogontz Campus	-	97	97	-	-	-	-
Schuylkill Campus	-	73	73	-	-	-	-
Shenango Valley Campus	-	77	77	-	-	-	-
Wilkes-Barre Campus	-	113	113	-	-	-	-
Worthington-Scranton Campus	-	98	98	-	-	-	-
York Campus	-	58	58	-	-	-	-
Temple University	4	5 115	107	2 984	683	1 044	277
University of Pittsburgh -- Total	97	6 417	56	3 693	432	1 846	390
Main Campus	97	5 808	-	3 140	432	1 846	390
Bradford Campus	-	127	36	91	-	-	-
Greensburg Campus							
Johnstown Campus	-	473	11	462	-	-	-
Titusville Campus	-	9	9	-	-	-	-
COMMUNITY COLLEGES (14)	1 759	8 879	8 879	-	-	-	-
Bucks County Community College	28	714	714	-	-	-	-
Butler County Community College	57	290	290	-	-	-	-
Community College of Allegheny County	385	2 182	2 182	-	-	-	-
Community College of Beaver County	105	379	379	-	-	-	-
Community College of Philadelphia	117	806	806	-	-	-	-
Delaware County Community College	91	648	648	-	-	-	-
Harrisburg Area Community College	69	748	748	-	-	-	-
Lehigh County Community College	74	392	392	-	-	-	-
Luzerne County Community College	161	496	496	-	-	-	-
Montgomery County Community College	26	564	564	-	-	-	-
Northampton County Area Community College	159	442	442	-	-	-	-
Reading Area Community College	-	160	160	-	-	-	-
Westmoreland County Community College	88	439	439	-	-	-	-
Williamsport Area Community College	399	649	649	-	-	-	-
PRIVATE STATE-AIDED INSTITUTIONS (12)	19	10 172	240	5 246	1 593	2 489	404
Delaware Valley College of Science and Agriculture	-	253	-	253	-	-	-
Drexel University	-	2 135	-	1 414	-	689	32
Hahnemann University	5	610	182	122	170	116	20
Medical College of Pennsylvania	-	131	-	-	118	10	3
Pennsylvania College of Optometry	-	268	-	132	129	7	-
Pennsylvania College of Podiatric Medicine	-	106	-	-	106	-	-
Philadelphia College of Art	2	218	-	210	-	8	-
Philadelphia College of Osteopathic Medicine	-	209	-		209	-	-
Philadelphia College of Textiles and Science	-	422	10	384	-	24	-
Philadelphia College of the Performing Arts	1	44	-	39	-	5	-
Thomas Jefferson University	-	884	-	349	222	5	8
University of Pennsylvania	11	5 192	48	2 341	439	1 823	341

TABLE 5

DEGREES AND OTHER FORMAL AWARDS CONFERRED BY INSTITUTION BY LEVEL OF PROGRAM, 1985-86--Continued

	Postsecondary Certificates	Total Associate and Higher Degrees	Associate Degrees	Bachelor's Degrees	First-Professional Degrees	Master's Degrees	Doctor's Degrees
PRIVATE COLLEGES AND UNIVERSITIES 1/(82)	4 229	30 378	1 365	23 811	467	4 275	260
Academy of the New Church	-	50	34	13	3	-	-
Albright College	-	315	-	315	-	-	-
Allegheny College	-	436	-	426	-	10	-
Allentown College of St. Francis De Sales	-	252	-	232	-	-	-
Alliance College	-	34	15	19	-	-	-
Alvernia College	-	146	32	114	-	-	-
American College	4 044	128	-	-	-	128	-
Antioch University	-	214	-	124	-	88	-
Baptist Bible College and School of Theology	17	149	23	120	6	-	-
Beaver College	-	460	22	237	-	201	-
Bryn Mawr College	-	89	-	266	-	110	33
Bucknell University	-	805	-	758	-	47	-
Cabrini College	-	163	-	145	-	18	-
Carlow College	-	193	-	193	-	-	-
Carnegie-Mellon University	-	1 497	-	854	-	532	111
Cedar Crest College	-	214	-	214	-	-	-
Chatham College	-	95	-	95	-	-	-
Chestnut Hill College	-	175	-	150	-	25	-
College Misericordia	-	206	11	173	-	22	-
Combs College of Music 2/	-	25	-	5	-	10	10
Curtis Institute of Music	18	24	-	18	-	6	-
Dickinson College	-	453	-	453	-	-	-
Dickinson School of Law	-	179	-	-	171	8	-
Drexel College	-	6	-	-	-	4	2
Duquesne University	-	1 422	3	845	197	349	28
Eastern College	-	132	-	121	-	11	-
Elizabethtown College	-	315	5	310	-	-	-
Franklin and Marshall College	24	508	78	430	-	-	-
Gannon University	-	673	109	497	-	67	-
Geneva College	-	229	7	222	-	-	-
Gettysburg College	-	440	-	440	-	-	-
Gratz College	7	10	-	8	-	2	-
Grove City College	-	502	-	502	-	-	-
Gwynedd-Mercy College	31	449	204	237	-	28	-
Haverford College	-	234	-	234	-	-	-
Holy Family College	-	190	-	190	-	-	-
Immaculata College	-	176	23	137	-	16	-
Juniata College	-	251	-	251	-	-	-
King's College	5	429	17	412	-	-	-
Lafayette College	-	522	-	522	-	-	-
Lancaster Bible College	4	65	10	55	-	-	-
LaRoche College	-	325	-	289	-	36	-
LaSalle University	-	1 178	50	894	-	234	-
Lebanon Valley College	-	208	5	203	-	-	-
Lehigh University	-	1 473	-	1 020	-	385	68
Lycoming College	-	249	-	249	-	-	-
Marywood College	-	602	-	399	-	203	-
Mercyhurst College	-	248	9	230	-	9	-
Messiah College	-	350	-	350	-	-	-
Moore College of Art	-	94	-	94	-	-	-
Moravian -- Total	-	363	-	345	15	3	-
Moravian College	-	345	-	345	-	-	-
Moravian Theological Seminary	-	-	-	-	15	3	-
Muhlenberg College	-	384	5	379	-	-	-
Neumann College	23	164	-	152	-	12	-
New School of Music	5	14	-	14	-	-	-
Pennsylvania College of Straight Chiropractic	-	24	-	-	24	-	-
Philadelphia College of Bible	3	90	-	90	-	-	-
Philadelphia College of Pharmacy and Science	-	215	-	181	25	4	5
Point Park College	-	377	39	321	-	17	-
Reconstructionist Rabbinical College	-	10	-	-	10	-	-
Robert Morris College	-	1 184	237	769	-	148	-
Rosemont College	-	93	-	93	-	-	-
Saint Francis College	-	270	10	220	-	40	-
Saint Joseph's University	-	1 062	33	738	-	291	4
Saint Vincent -- Total	3	202	-	187	12	3	-
Saint Vincent College	7	187	-	187	-	-	-
Saint Vincent Seminary	7	15	-	-	12	3	-
Seton Hill College	-	144	-	144	-	-	-
Spring Garden College	-	218	47	171	-	-	-
Susquehanna University	17	347	13	334	-	-	-
Swarthmore College	-	341	-	341	-	-	-
Thiel College	11	142	7	135	-	-	-
United Theological College	-	50	10	40	-	-	-
University of Scranton	-	1 096	7	847	-	242	-
Ursinus College	-	288	32	256	-	-	-
Valley Forge Christian College	6	71	-	71	-	-	-
Villa Maria College	-	119	28	91	-	-	-
Villanova University	-	2 410	8	1 603	204	592	3
Washington and Jefferson College	-	262	-	262	-	-	-
Waynesburg College	-	124	3	98	-	23	-
Westminster College	-	292	-	263	-	29	-
Widener University	-	925	52	635	-	238	-
Wilkes College	-	492	-	425	-	67	-
Wilson College	-	35	8	27	-	-	-
York College of Pennsylvania	-	698	149	512	-	17	-

TABLE 5

DEGREES AND OTHER FORMAL AWARDS CONFERRED BY INSTITUTION BY LEVEL OF PROGRAM, 1985-86--Continued

	Postsecondary Certificates	Total Associate and Higher Degrees	Associate Degrees	Bachelor's Degrees	First-Professional Degrees	Master's Degrees	Doctor's Degrees
THEOLOGICAL SEMINARIES (16)	16	600	-	19	326	155	100
Biblical Theological Seminary	-	35	-	-	23	12	-
Calvary Baptist Theological Seminary	-	12	-	-	12	-	-
Christ the Saviour Seminary	-	-	-	-	-	-	-
Eastern Baptist Theological Seminary	-	76	-	-	42	8	26
Evangelical School of Theology	-	18	-	-	15	3	-
Faith Theological Seminary	-	18	-	-	6	1	11
Lancaster Theological Seminary	-	44	-	-	28	8	10
Lutheran Theological Seminary - Gettysburg	-	54	-	-	45	9	2
Lutheran Theological Seminary - Philadelphia	-	34	-	-	22	9	3
Mary Immaculate Seminary	-	7	-	-	5	2	-
Pittsburgh Theological Seminary	-	102	-	-	55	12	35
Reformed Presbyterian Theological Seminary	-	5	-	-	5	-	-
Saint Charles Borromeo Seminary	-	57	-	19	6	32	-
Theological Seminary of the Reformed Episcopal Church	3	3	-	-	3	-	-
Trinity Episcopal School for Ministry	13	25	-	-	25	-	-
Westminster Theological Seminary	-	106	-	-	34	59	13
PRIVATE JUNIOR COLLEGES (9)	40	1 538	1 538	-	-	-	-
Harcum Junior College	-	278	278	-	-	-	-
Keystone Junior College	-	207	207	-	-	-	-
Lackawanna Junior College	2	245	245	-	-	-	-
Manor Junior College	1	95	95	-	-	-	-
Mount Aloysius Junior College	29	217	217	-	-	-	-
Northeastern Christian Junior College	-	53	53	-	-	-	-
Peirce Junior College	6	339	339	-	-	-	-
Pinebrook Junior College	-	44	44	-	-	-	-
Valley Forge Military Junior College	2	58	58	-	-	-	-
SPECIALIZED ASSOCIATE DEGREE-GRANTING INSTITUTIONS 1/ 2/ 3/ (73)	-	7 571	7 571	-	-	-	-
Altoona School of Commerce	-	-	-	-	-	-	-
Antonelli Institute of Art and Photography - Plymouth Meeting	-	86	86	-	-	-	-
Antonelli Institute of Art and Photography - York 2/	-	80	80	-	-	-	-
Art Institute of Pittsburgh	-	630	630	-	-	-	-
Art Institute of Philadelphia	-	413	413	-	-	-	-
Beraan Institute	-	47	47	-	-	-	-
Cambria-Rowe Business College	-	106	106	-	-	-	-
Center for Degree Studies	-	183	183	-	-	-	-
Central Pennsylvania Business School	-	259	259	-	-	-	-
Centre Business School, Inc	-	51	51	-	-	-	-
Chi Institute	-	30	30				
Churchman Business School	-	34	34	-	-	-	-
Clarion School	-	13	13	-	-	-	-
Computer Systems Institute, Inc - Meadville	-	48	48	-	-	-	-
Computer Systems Institute, Inc - Pittsburgh	-	116	116	-	-	-	-
Dean Institute of Technology	-	95	95	-	-	-	-
Douglas School of Business	-	28	28	-	-	-	-
DuBois Business College	-	102	102	-	-	-	-
Duffs Business Institute	-	347	347	-	-	-	-
Electronic Institutes, Inc - Middletown	-	104	104	-	-	-	-
Electronic Institutes, Inc - Pittsburgh	-	136	136	-	-	-	-
Erie Business Center	-	95	95	-	-	-	-
Hiram G. Andrews Center	-	25	25	-	-	-	-
Hussian School of Art, Inc	-	20	20	-	-	-	-
ICM School of Business	-	143	143	-	-	-	-
Johnson Technical Institute	-	182	182	-	-	-	-
Keystone Secretarial and Business Administration School	-	39	39	-	-	-	-
Lansdale School of Business - Lansdale 2/	-	70	70	-	-	-	-
Lansdale School of Business - Pottstown 2/	-	20	20	-	-	-	-
Lincoln Technical Institute - Allentown	-	460	460	-	-	-	-
Lincoln Technical Institute - Philadelphia	-	35	35	-	-	-	-
Lyons Technical Institute - Philadelphia	-	35	35	-	-	-	-
Lyons Technical Institute - Upper Darby 2/	-	40	40	-	-	-	-
McCann School of Business, Inc	-	79	79	-	-	-	-
McCarrie Schools, Inc	-	148	148	-	-	-	-
Median School of Allied Health Careers 2/	-	40	40	-	-	-	-
Monroeville School of Business	-	31	31	-	-	-	-
National Education Center - Allentown Business School Campus	-	219	219	-	-	-	-
National Education Center - Thompson Institute Campus - Harrisburg 2/	-	190	190	-	-	-	-
National Education Center - Thompson Institute Campus - Philadelphia	-	110	110	-	-	-	-
National Education Center - Vale Technical Institute Campus	-	147	147	-	-	-	-
National School of Health Technology, Inc	-	17	17	-	-	-	-
New Castle School of Trades, Inc.	-	180	180	-	-	-	-
New Kensington Commercial School	-	79	79	-	-	-	-
Northeast Institute of Education 2/	-	40	40	-	-	-	
Palmer School, Inc.- Philadelphia	-	22	22	-	-	-	
Palmer School, Inc.- Middletown	-	18	18				

TABLE 5

DEGREES AND OTHER FORMAL AWARDS CONFERRED BY INSTITUTION BY LEVEL OF PROGRAM, 1985-86--Concluded

	Postsecondary Certificates	Total Associate and Higher Degrees	Associate Degrees	Bachelor's Degrees	First-Professional Degrees	Master's Degrees	Doctor's Degrees
SPECIALIZED ASSOCIATE DEGREE-GRANTING INSTITUTIONS 1/ 2/ 3/ - Concluded							
Penn Commercial, Inc	-	48	48	-	-	-	-
Penn Technical Institute	-	234	234	-	-	-	-
Pennco Tech	-	274	274	-	-	-	-
Pennsylvania Institute of Technology	-	77	77	-	-	-	-
Philadelphia School of Office Technologies	-	91	91	-	-	-	-
Philadelphia School of Office Technologies - Northeast	-	37	37				
Philadelphia School of Printing and Advertising	-	12	12	-	-	-	-
Pittsburgh Beauty Academy	-	44	44	-	-	-	-
Pittsburgh Institute of Aeronautics	-	240	240	-	-	-	-
Pittsburgh Technical Institute	-	226	226	-	-	-	-
PTC Career Institute	-	-	-	-	-	-	-
The Restaurant School	-	12	12				
Schuylkill Business Institute	-	52	52	-	-	-	-
Shenango Valley School of Business - New Castle	-	27	27	-	-	-	-
Shenango Valley School of Business - Sharon	-	84	84				
South Hills Business School 2/	-	40	40	-	-	-	-
Tracey Mercer School, Inc	-	23	23	-	-	-	-
Triangle Institute of Technology	-	139	139	-	-	-	-
Triangle Institute of Technology - DuBois	-	119	119	-	-	-	-
Triangle Institute of Technology - Erie	-	108	108	-	-	-	-
Triangle Institute of Technology - Greensburg	-	80	80	-	-	-	-
Triangle Institute of Technology - Uniontown	-	23	23	-	-	-	-
Welder Training and Testing Institute - Allentown	-	-	-	-	-	-	-
Welder Training and Testing Institute - Bridgeport	-	-	-	-	-	-	-
Welder Training and Testing Institute - Philadelphia	-	-	-	-	-	-	-
Welder Training and Testing Institute - Selinsgrove	-	-	-	-	-	-	-
Welder Training and Testing Institute - Wilkes-Barre	-	-	-	-	-	-	-
Williamson Free School of Mechanical Trades	-	42	42	-	-	-	-
Williamsport School of Commerce	-	67	67	-	-	-	-
Yorktowne Business Institute 2/	-	70	70	-	-	-	-
STATE SCHOOL OF TECHNOLOGY 3/ (1)	-	107	107	-	-	-	-
Thaddeus Stevens State School of Technology	-	107	107	-	-	-	-

1/ Includes estimates for nonresponding institutions.
2/ Estimated data.
3/ Includes degrees conferred in associate in specialized business (ASB) and associate in specialized technology (AST) programs only.

APPENDIX A

GLOSSARY

ASSOCIATE DEGREE--A degree based on at least two but less than four years of full-time college work.

BACHELOR'S DEGREE--A degree requiring four or five years of full-time college work.

DOCTOR'S DEGREE--A degree normally based on at least three years of graduate work beyond the bachelor's degree, usually granted as a Ph.D. in any field or, Doctor of Education, Doctor of Juridical Science, Doctor of Public Health, etc.

FIRST-PROFESSIONAL DEGREE--A degree based on at least six years of college work, usually granted in Dentistry, Law, Medicine, Theology, etc. It signifies completion of the academic requirements to begin practice in the profession.

MASTER'S DEGREE--A degree customarily based on at least one but not more than two full-time academic years of work beyond the bachelor's degree.

POSTSECONDARY CERTIFICATE--An award for programs based on less than four full-time academic years of work and in which the completer did not receive, nor is eligible for, an associate or bachelor's degree.

APPENDIX B

NONRESPONDING INSTITUTIONS

Antonelli Institute of Art and Photography - York
Combs College of Music
Lansdale School of Business - Lansdale
Lansdale School of Business - Pottstown
Lyons Technical Institute - Upper Darby
Median School of Allied Health Careers
National Education Center - Thompson Institute Campus - Harrisburg
Northeast Institute of Education
South Hills Business School
Yorktowne Business School